



# Stormwater Pollution Prevention Plan

*for:*

**Ballenger-McKinney Wastewater Treatment Plant  
7400 Marcie's Choice Lane  
Frederick, MD 21704**

## Emergency Spill Remediation Contractor

- **DFRS / Hazmat 911 or non-emergency#**  
**301-600-1603**
- **Burns Septic & Tank Cleaning, Inc.**  
**2360 Dairyland Drive,**  
**Westminster, MD 21558**  
**1-877-89-BURNS**  
**(28767)/410-833-5857**
- **Floyd E. Cline & Sons, Inc.**  
**3434 Brethren Church Rd,**  
**Myersville, MD 21773**  
**301-293-2983**

Use whichever of the two  
private contractors is most  
immediately available.

## SWPPP Contact(s)

### **Bob Money, Chief Operator**

7400 Marcie's Choice Lane

Frederick MD 21704

301-600-3417 Desk

**240-285-0847 Emergency phone**

[bmoney@frederickcountymd.gov](mailto:bmoney@frederickcountymd.gov)

### **Leo Miller, Assistant Chief Operator**

7400 Marcie's Choice Lane

Frederick MD 21704

301-600-1839 Desk

**301-748-1532 Emergency phone**

[lmiller@frederickcountymd.gov](mailto:lmiller@frederickcountymd.gov)

**SWPPP Preparation Date:**

**April 2012**



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## SECTION 1: FACILITY DESCRIPTION AND CONTACT INFORMATION

### 1.1 Facility Information

**Name of Facility:** Ballenger-McKinney Wastewater Treatment Plan (WWTP)

**Street:** 7400 Marcie's Choice

**City:** Frederick

**State:** MD

**ZIP Code:** 21704

**County or Similar Subdivision:** Frederick County

**Latitude/Longitude** (Use **one** of three possible formats, and specify method)

**Latitude:**

1. \_\_\_ ° \_\_\_ ' \_\_\_ " N (degrees, minutes, seconds)
2. \_\_\_ ° \_\_\_ . \_\_\_ ' N (degrees, minutes, decimal)
3. 39.3645062° N (decimal)

**Longitude:**

1. \_\_\_ ° \_\_\_ ' \_\_\_ " W (degrees, minutes, seconds)
2. \_\_\_ ° \_\_\_ . \_\_\_ ' W (degrees, minutes, decimal)
3. -77.4107127° W (decimal)

**Method for determining latitude/longitude** (check one):

☐ USGS topographic map (specify scale: \_\_\_\_\_)

☒ EPA Web site

☐ GPS

☐ Other (please specify): \_\_\_\_\_

**Estimated area of industrial activity at site exposed to stormwater:** 14.4 (acres).

### Discharge Information

**Does this facility discharge stormwater into an MS4?** ☒ Yes ☐ No

If yes, name of MS4 operator: Frederick County

**Name(s) of water(s) that receive stormwater from your facility:** Stormwater leaving the facility ultimately drains into the Monocacy River via the same discharge point as effluent of the treatment plant. Ballenger Creek runs through the middle of the property and empties into the Monocacy River some 250 feet south of the outfall from the WWTP.

**Are any of your discharges directly into any segment of an "impaired" water?** ☒ Yes ☐ No

If Yes, identify name of the impaired water (and segment, if applicable): Monocacy River

Identify the pollutant(s) causing the impairment: Entire river is impaired for sediment, nitrogen, phosphorus, fecal coliform.

For pollutants identified, which do you have reason to believe will be present in your discharge? Theoretically all 4 could be present if BMPs are not adhered to: sediment, phosphorus, nitrogen and fecal coliform

For pollutants identified, which have a completed TMDL? As of October 7 2011, sediment and fecal coliform have approved TMDLs. Nitrogen and phosphorus TMDLs are under development.

**Do you discharge into a receiving water designated as a Tier 2 (or Tier 2.5) water?** ☐ Yes ☒ No

**Are any of your stormwater discharges subject to effluent guidelines?** ☐ Yes ☒ No

If Yes, which guidelines apply? \_\_\_\_\_

**Primary SIC Code or 2-letter Activity Code:** Sector T treatment Works, TW

**Identify your applicable sector and subsector:** Subsector T1

## 1.2 Contact Information/Responsible Parties

### Facility Owner (s):

**Name:** Board of County Commissioners of Frederick County, MD  
**Address:** 12 E. Church St.  
**City, State, Zip Code:** Frederick MD 21701  
**Telephone Number:** 301-600-1100  
**Email address:** [countycommissioners@frederickcountymd.gov](mailto:countycommissioners@frederickcountymd.gov)  
**Fax number:** 301-600-1849

### Facility Operator (s):

**Name:** Kevin Demosky, Director, Div. of Utilities & Solid Waste Mngt  
**Address:** 4520 Metropolitan Court  
**City, State, Zip Code:** Frederick MD 21704  
**Telephone Number:** 301-600-2963  
**Email address:** [kdemosky@frederickcountymd.gov](mailto:kdemosky@frederickcountymd.gov)

### SWPPP Contacts:

**Name:** Bob Money, Chief Operator  
**Address:** 7401 Marcie's Choice Lane  
**City, State, Zip Code:** Frederick, MD 21704  
**Telephone number:** 301-600-3417  
**Cell Phone #:** 240-285-0847  
**Email address:** [bmoney@frederickcountymd.gov](mailto:bmoney@frederickcountymd.gov)

**Name:** Leo Miller, Assistant Chief Operator  
**Address:** 7401 Marcie's Choice Lane  
**City, State, Zip Code:** Frederick, MD 21704  
**Telephone number:** 301-600-1839  
**Cell Phone #:** 301-748-1532  
**Email address:** [lmiller@frederickcountymd.gov](mailto:lmiller@frederickcountymd.gov)

**Name:** Mark Schweitzer, Department Head – Regulatory Compliance  
**Address:** 4520 Metropolitan Court  
**City, State, Zip Code:** Frederick, MD 21704  
**Telephone number:** 301-600-2296  
**Email address:** [mschweitzer@frederickcountymd.gov](mailto:mschweitzer@frederickcountymd.gov)

**Name:** Mehal Trivedi, Engineer II  
**Address:** 4520 Metropolitan Court  
**City, State, Zip Code:** Frederick, MD 21704  
**Telephone number:** 301-600-3043  
**Email address:** [mtrivdei@frederickcountymd.gov](mailto:mtrivdei@frederickcountymd.gov)

### 1.3 Stormwater Pollution Prevention Team

Staff Names	Individual Responsibilities
Bob Money, Chief Operator, SWPPP Team Leader	<ul style="list-style-type: none"> <li>• SWPPP team leader and emergency contact.</li> <li>• Planning and supervision of all pollution prevention activities related to this SWPPP.</li> <li>• Custodian of SWPPP and adds records and updates as necessary as a result of major changes in the facility's design, construction, operation, or maintenance.</li> <li>• Assures that all staff are trained on an annual basis and that all new staff are trained upon entering the workforce.</li> </ul>
Leo Miller, Assistant Chief Operator	<ul style="list-style-type: none"> <li>• Secondary SWPPP and emergency contact.</li> <li>• Monitors loading and unloading areas for spills and is responsible for cleaning up spills.</li> <li>• Cleans out stormwater pond of floatables/garbage on monthly basis and looks for signs of staining or non-stormwater discharges into pond.</li> </ul>
Dean "Larry" Roberts, Operator 4	<ul style="list-style-type: none"> <li>• Empty all secondary containment vessels of water after each rain event, after confirming that only rainwater is inside containment.</li> <li>• Assures biosolids not being tracked out of roof-covered area and clean up as necessary.</li> <li>• Enforce zero tolerance for biosolids spilled by vendors.</li> </ul>
James Gaither, Operator 2	<ul style="list-style-type: none"> <li>• Inspects: access roads and rail lines; grit, screenings, and other solids handling, storage, or disposal areas; dried sludge piles; and septage or hauled waste receiving station.</li> </ul>
Mark Schweitzer and Mehal Trivedi	<ul style="list-style-type: none"> <li>• Does Routine and Annual Comprehensive site inspections.</li> </ul>

### 1.4 Activities at the Facility

This facility is a 7 million gallon per day wastewater (sewage) treatment plan, operating 24 hours per day. Used food oils are also collected at this facility in a 3,500 gallon UST to be processed elsewhere.

Typically, the facility maintains a staff of approximately 25 including lab staff.

At the time this SWPPP was prepared, the facility was under active construction/enlargement in order to increase treatment capacity. As such, final drainage patterns for new sites are unknown.

This facility is under obligation to develop a pretreatment program to prevent pass through of pollutants into the receiving stream as part of the General Pretreatment Regulations of the National Pretreatment Program which require all large POTWs (those designed to treat flows of more than 5 million gallons per day) and smaller POTWs (that accept wastewater from IUs that could affect the treatment plant or its discharges) to establish local pretreatment programs.

The active/historic facility is not currently served by stormwater management. Once construction is final a portion of the active/historic site will be served by a sand filter. The larger facility currently under construction is served by 2-extended detention ponds; #1 on Marcie's Choice Lane and #2 to the southwest of the new facility building 34.

## 1.5 General Location Map

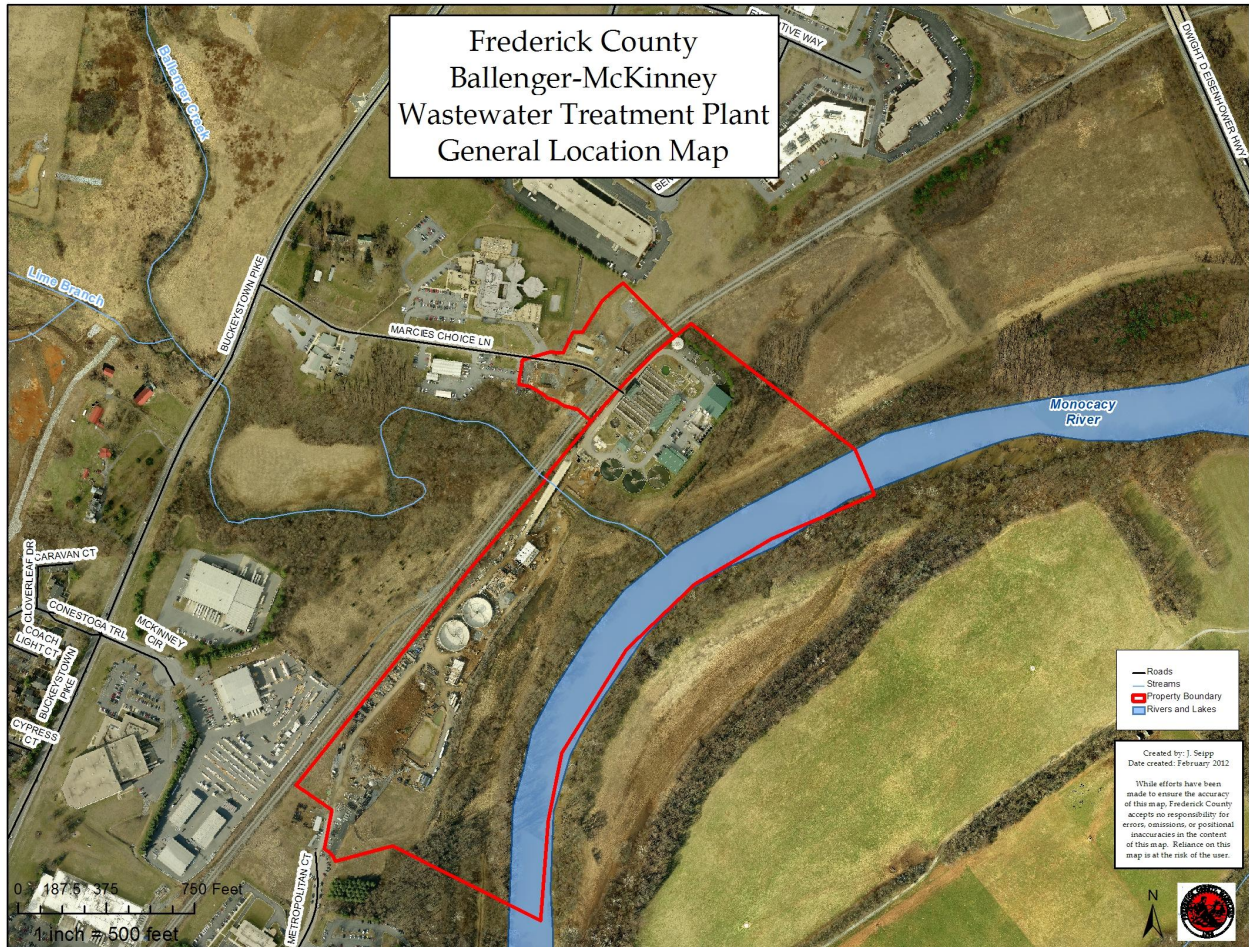


Figure 1-1. General Location Map



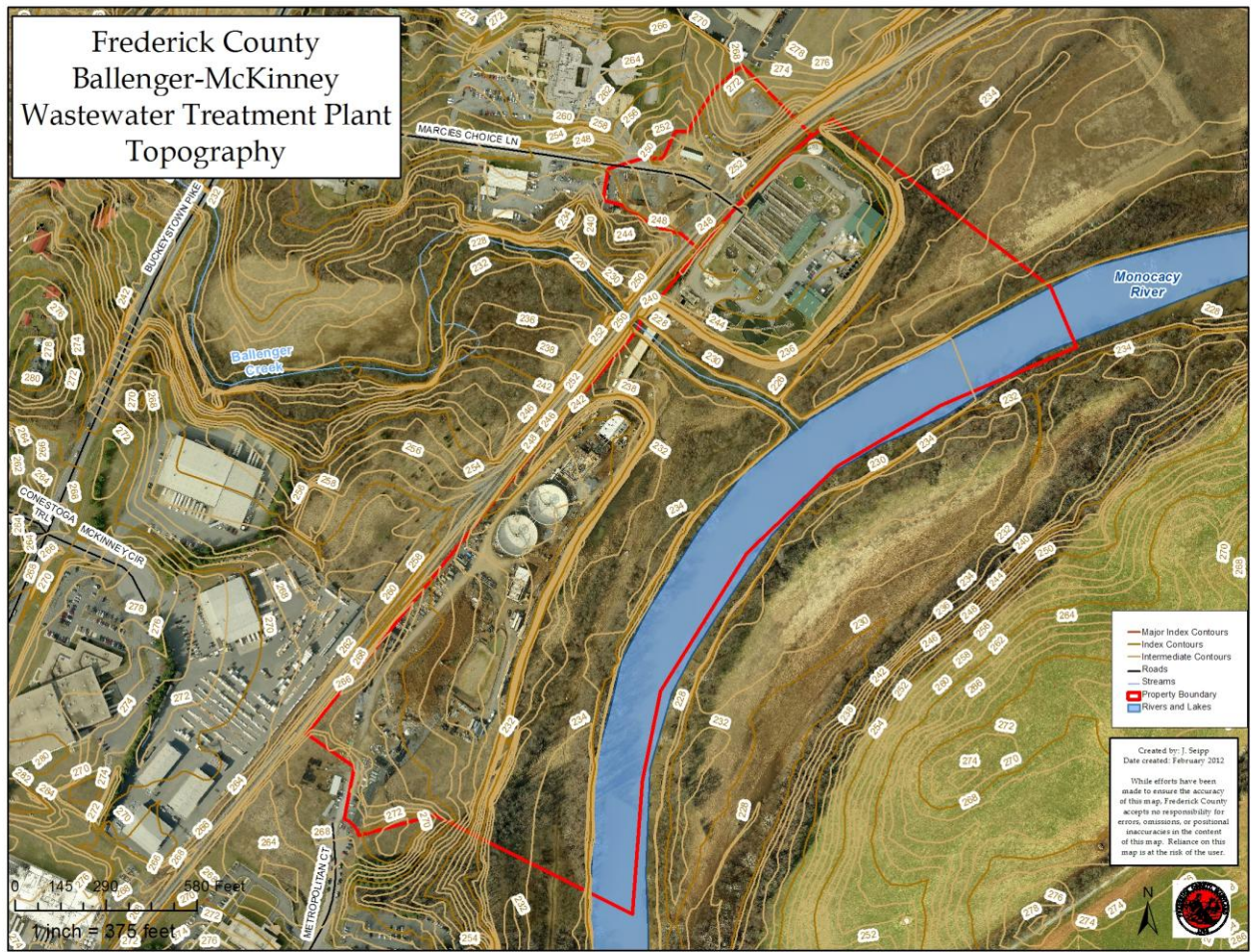
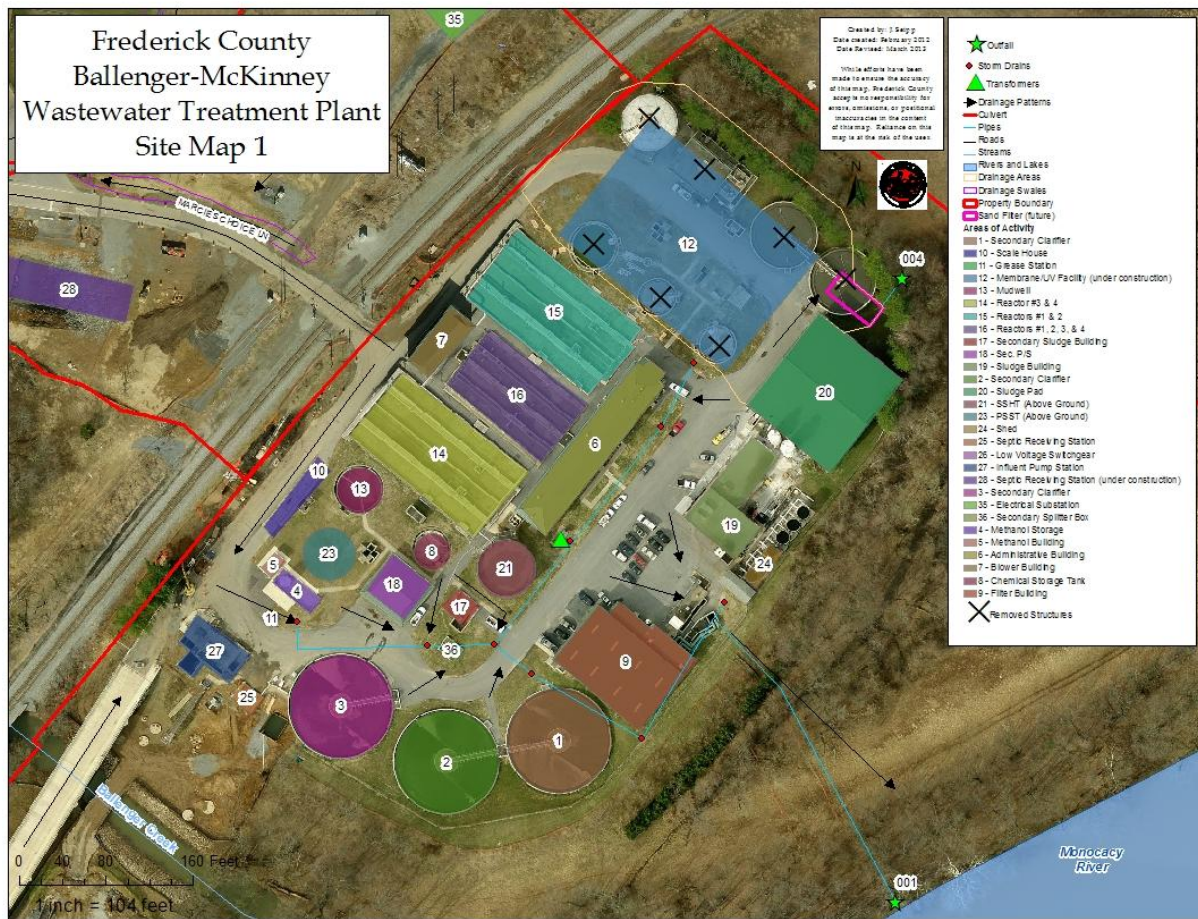


Figure 1-2. Topographic map



## 1.6 Site Map



**Figure 1-3. Site map #1**

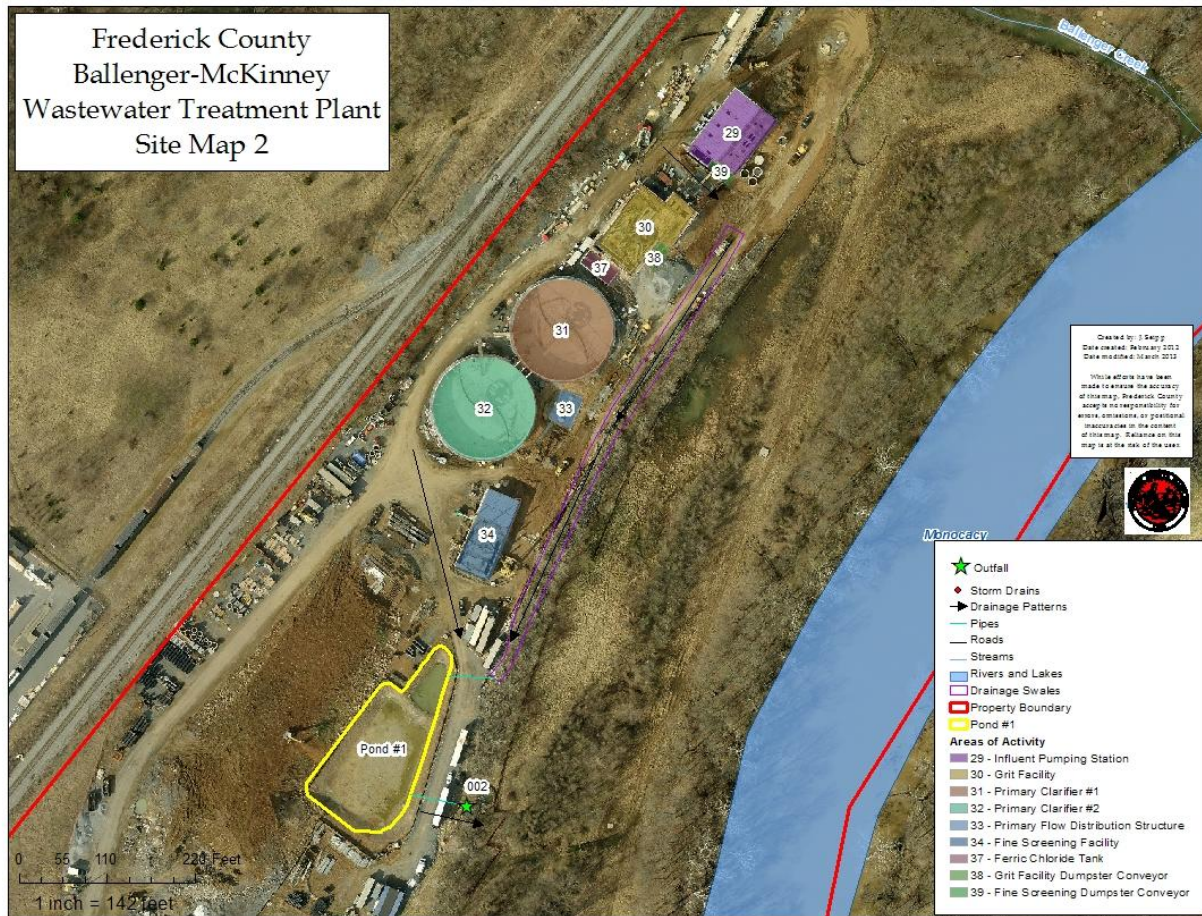


Figure 1-4. Site map #2



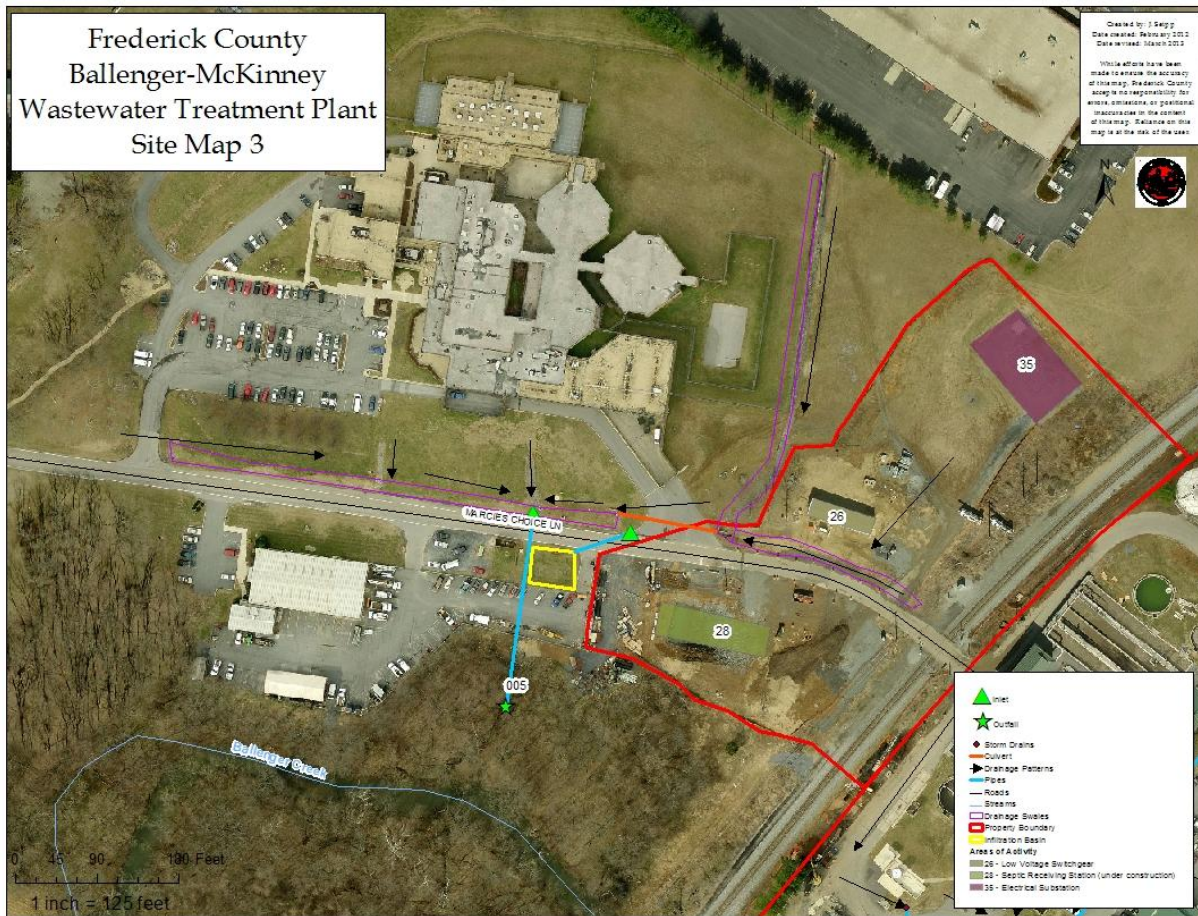


Figure 1-5. Site map #3



## SECTION 2: POTENTIAL POLLUTANT SOURCES

Materials and quantities of materials are as follows (note: quantities below may fluctuate but are representative of what is typical):

- Sodium hypochlorite: 250-500 gal
- Biosolids: 352 tons/wk
- Quicklime: 50-75 tons/wk
- Ferric chloride: 9,000 gal
- Primary sludge: ~100,000 gal/day
- Secondary sludge: 28,000-100,000 gal/wk
- Raw sewage: 7 MGD

### 2.1 Industrial Activity and Associated Pollutants

Industrial Activity	Associated Pollutants
Preparation of chemical, biological and physical treatment processes	Untreated/raw sewage, primary sludge & secondary sludge (nutrients/sediment), biosolids (nutrients/sediment), lime, sodium hypochlorite, ferric chloride, caustic soda, sodium bisulfite, aluminate, polymer
Loading/unloading food waste oils	Vegetable and animal food-grade oil/grease
Loading and unloading of raw materials	Biosolids, lime, sodium hypochlorite, ferric chloride, gear oil, Stink Pretty odor eliminator, slag, polymer
Incidental repairs of equipment/machinery	Gasoline, two stroke oil, grease
Vendor sludge hauling	Biosolids, sludge, diesel fluids, hydraulic fluids, engine oil
Clarifiers	Grit and scum piles from clarifiers, screens, exposed soil

### 2.2 Spills and Leaks Direction of Flow

All stormwater from the existing/historic facility, which includes buildings 1-21, 23-25 and 27 drains the facility via 8 catchbasins which discharge directly into the Monocacy River. Some areas along the periphery of the property may not enter into the catchbasin but rather discharge into the wooded areas surrounding the property

Stormwater from the new facility being built to the south, buildings 29-34 drain into an extended detention dry pond via a swale to the east which runs the length of the property and parallel with the Monocacy River. The outfall to this pond is in a wooded area to the east some 50 feet from the pond.

Stormwater from the new facility being built to the northwest on the north side of Marcie's Choice Lane, buildings 26, 28, and 35 drain into extended detention stormwater management pond #2 via a culvert which runs under the entrance way to the adjoining property. The pond serving buildings 26, 28, and 35 runs along Marcie's Choice Lane and discharges to Ballenger Creek. This pond is shared by the Frederick County Adult Detention Center to the north.

### Areas of Site Where Potential Spills/Leaks Could Occur

Location	Outfalls
Raw sewage (from broken manhole)	Into MS4 and then outfall 001 and then into the Monocacy River
Grease spills	Into MS4 and then outfall 001 and then into the Monocacy River
Biosolids or untreated trucked-in septic	Into MS4 and then outfall 001 and then into the Monocacy River
Hypochlorite tank	Into MS4 and then outfall 001 and then into the Monocacy River
Reactors 1-4 overflow	Into MS4 and then outfall 001 and then into the Monocacy River
Ferric chloride containment structure	Into 30,000 gallon secondary containment structure. If bypass this structure then into MS4 and then outfall 001 and then into the Monocacy River
Building 28 septic receiving station	TBD (to be determined after construction)
Buildings 29-34	Into Pond #2 and then Monocacy River.

#### 2.2.1 Description of Past Spills/Leaks

- 12/22/2009- 2pm-2:15pm - 300 gallons of primary sludge spilled around primary sludge storage tank. Areas was cleaned and limed.
- 9/23/2003 – 6am thru 11pm, 0.5 to 5 million gallons of raw sewage leaked out of a rusted manhole due to rusted bolts. None was recovered.

### 2.3 Non-Stormwater Discharges Documentation

Date of most recent evaluation: 04/13/2012

Description of the evaluation criteria used:

A walk-through of the property during a dry day (no precipitation for 48 hours) yielded no dry weather flows out of outfall 001 or outfall 005.

### 2.4 Salt Storage

No salt is stored at this facility.

## **2.5 Sampling Data Summary**

No water quality monitoring has been done to date.

## **SECTION 3: STORMWATER CONTROL MEASURES**

### **3.1 Minimize Exposure**

- Vehicles or heavy equipment are not maintained at this facility. Any outdoor pressure washing happens without the use of detergents.
- Store process chemicals inside buildings.
- Use drip pans under drums and equipment where feasible. Inspect regularly the storage yard for filled drip pans and other problems.
- Cover and/or enclose chemical storage areas (including temporary cover such as a tarp that prevents contact with precipitation).
- Confine storage of sludge to a designated area outside drainage pathways and as far from any receiving water body as possible.
- Store sludge on an impervious surface (e.g., concrete pad).
- Use control measures such as silt fence or wattles to control sediment from leaving storage area.
- Avoid transferring sludge during rain events.
- Conduct transfer operations over an impervious surface to enable easy collection of spilled materials.
- Promptly remove any sludge spilled during transfer.
- Perform all cleaning operations indoors or under covering when possible. Conduct the cleaning operations in an area with a concrete floor with no floor drainage other than to sanitary sewers or treatment facilities.
- If operations are uncovered, perform them on a concrete pad that is impervious and contained.
- Park vehicles and equipment indoors or under a roof whenever possible and maintain control of oil leaks/spills.
- Check vehicles closely for leaks and use pans to collect fluid when leaks occur.
- Provide drip pads/pans where chemicals are transferred from one container to another to allow for recycling of spills and leaks.
- Train employees on proper storage and transfer procedures.

### **3.2 Good Housekeeping**

The good housekeeping program includes the following components:

- Provide secondary containment around chemical storage areas.
- If containment structures have drains, ensure that the drains have valves, and that valves are maintained in the closed position. Institute protocols for checking/testing stormwater in containment areas prior to discharge.
- Use double-walled tanks with overflow protection.
- Maintain an inventory of fluids to identify leakage.
- Properly dispose of chemicals that are no longer in use.
- Store and handle reactive, ignitable, or flammable liquids in compliance with applicable local fire codes, local zoning codes, and the National Electric Code.
- Use drip pans, drain boards, and drying racks to direct drips back into a fluid holding tank for reuse.
- Promptly transfer used fluids to the proper container; do not leave full drip pans or other open containers around the shop.
- Empty and clean drip pans and containers.
- Clean up leaks, drips, and other spills without using large amounts of water. Use absorbents for dry cleanup whenever possible.

- Prohibit the practice of hosing down an area where the practice would result in the discharge of pollutants to a stormwater system.
- Maintain an organized inventory of materials.
- Eliminate or reduce the number and amount of hazardous materials and waste by substituting nonhazardous or less hazardous materials.
- Label and track the recycling of waste material (e.g., used oil, spent solvents, batteries).
- Store batteries and other significant materials inside.
- Dispose of greasy rags, oil filters, air filters, batteries, spent coolant, and degreasers in compliance with RCRA regulations.
- Dispose of screenings on a regular basis.
- Dispose of grit/scum at a licensed landfill.
- All small mechanical equipment and related chemicals necessary for their operation as well as small gasoline containers are kept indoors.
- Containers of motor oil, grease, gear oil, and other fluids are maintained in interior areas of the buildings so as to minimize exposure to precipitation.
- Sediment and biosolids on paved parking areas is regularly swept to minimize loading to stream

### **3.3 Preventive Maintenance**

The Preventative Maintenance Program includes the regular inspection and maintenance, not only of stormwater management control structures (e.g., the stormwater pond), but also equipment and systems that can impact stormwater quality (e.g., aboveground tanks and secondary containment). Our preventative maintenance program includes the following:

- Inspect storage tanks and piping systems (pipes, pumps, flanges, couplings, hoses, and valves) for failures or leaks and perform preventive maintenance.
- Wastewater treatment plant staff inspects and maintains the stormwater facilities according to a regular schedule. Inspect, clean, remove floatables and, if needed, repair the inlet and outlet pipes. On a regular basis, remove sediments from bottom of pond.
- All stormwater management devices are inspected on a tri-annual basis by the Frederick County Environmental Compliance Section and can be reached at (301) 600-3507.
- All equipment is checked on a routine basis for leaks and is scheduled for repair if leaking. DUSWM utilizes a program called Workline which tracks and schedules all preventive maintenance and other necessary maintenance for equipment.

### **3.4 Spill/Discharge/Release Prevention and Response**

#### **3.4.1 Spill Prevention**

The basic procedures for prevention of spills, discharges or releases of liquids or raw materials is as follows:

- All spills are isolated using absorbent pads and booms if necessary and then they are cleaned up immediately using absorbent. The spent absorbent is swept up and disposed of in sealed garbage bags.
- Spill control equipment is maintained and stored in adequate supply at locations of potential spills which is primarily the transformers, the grease receiving station (building 11) and buildings 9, 19 and 20.

- Oil drip pans and absorbents are available to deal with leaks in equipment until they can be repaired.
- Regularly inspect equipment, vessels and plumbing for leaks.
- The lids of containers holding liquids are securely fastened at all times; including those of drums which are stored outdoors awaiting disposal (regardless of whether they are empty or have product in them). It is preferable that drums be stored inside if they have product in them.
- Pads, drip pans, and funnels are used when transferring petroleum products from a portable container or tank.
- Protect the hypochlorite containers from damage by moving vehicles/equipment.
- County staff will not store oils or other liquids such as detergents, solvents, paints, acids, coolants, urea liquid for diesel emissions, etc. where they can be exposed to precipitation unless the container is meant for outdoor storage.
- Loading and unloading of powdered or liquid raw materials and grease into facilities is attended at all times.
- All raw materials containers, no matter the size, are to be labeled so that the contents are known.
- Storage of all 55 gallon drums (or larger containers) raw materials are on or in secondary containment vessels at all times.

### 3.4.2 Spill Response

#### ***Minor Spills***

“Minor” Spills are considered to be those of less than 5 gallons which pose no significant harm to human health or the environment and have not entered the storm sewer system, stormwater pond, water body or the groundwater table. These spills can usually be cleaned up by on-site staff.

In this case staff can use absorbent pads, booms, and/or absorbent powders to contain spills. Dispose of materials appropriately.

The SWPPP Team leader listed in this document must be notified and the spill documented as per the Spill Reporting procedures detailed Section 3.4.3.

#### ***Major Spills***

A “major” spill is any spill that is not a minor spill. **A major spill is considered an emergency.** It is a spill that cannot be safely contained by staff or cleaned up and/or has made its way into the storm sewer system, stormwater pond, waterbody or groundwater table.

In this case staff should contact the emergency spill remediation contractors listed in the first pages of this document. SWPPP Team members must be notified and the spill documented as per Spill Reporting procedures detailed below.

For additional spill response procedures relating to petroleum liquids, as well as fueling loading and unloading procedures, follow the instruction in the Spill Prevention Control and Countermeasures Plan (SPCC) for this facility.

### 3.4.3 Spill Reporting

All “minor” spills should be reported immediately but not later than two (2) hours after their detection to Agency #1 listed below.

All “major” spills, no matter the size, should be reported immediately but not later than two (2) hours after their detection to both Agency #1 and Agency #2 listed below.

1.
  - MARYLAND DEPARTMENT OF THE ENVIRONMENT
  - 1-(866) 633-4686, available on a 24-hour basis.
2.
  - NATIONAL RESPONSE CENTER
  - 1-(800) 424-8802, available on a 24-hour basis.

The Stormwater Pollution Prevention Team will contact the designated spill remediation contractor if the spill has reached the storm sewer system, stormwater pond, waterbody or ground water or if it cannot be safely contained by facility staff.

All spills must be documented by the Stormwater Pollution Prevention Team members or other designated personnel using the form provided in Appendix F and also reported to the Director. The spill documentation will summarize the date of the incident, type of material and estimated quantity lost, cause of the incident, and remediation measures applied to reduce or eliminate the problem.

**Robert Money, Chief Operator is the designated person responsible for spill prevention at Ballenger Creek WWTP.**

Attachment F contains blank Spill/Release Incident Reporting Forms and a place to store filled forms as a permanent record of spills and leaks.

## 3.5 Erosion and Sediment Controls

The site is currently under construction and has approved, properly installed sediment and erosion control devices.

## 3.6 Management of Runoff

All stormwater from the existing/historic facility, which includes buildings 1-21, 23-25 and 27 drains the facility via 8 catchbasins which discharge directly into the Monocacy River. Some areas along the periphery of the property may not enter into the catchbasin but rather discharge into the wooded areas surrounding the property

Stormwater from the new facility being built to the south, buildings 29-34 drain into an extended detention dry pond via a swale to the east which runs the length of the property and parallel with the Monocacy River. The outfall to this pond is in a wooded area to the east some 50 feet from the pond.

Stormwater from the new facility being built to the northwest on the north side of Marcie's Choice Lane, buildings 26, 28, and 35 drain into extended detention stormwater management pond #2 via a culvert which runs under the entrance way to the adjoining property. The pond serving buildings 26, 28, and 35 runs along Marcie's Choice Lane and discharges to Ballenger Creek. This pond is shared by the Frederick County Adult Detention Center to the north.

All stormwater management devices are inspected on a tri-annual basis by the Frederick County Environmental Compliance Section and can be reached at (301) 600-3507.

### **3.7 Salt Storage Piles or Piles Containing Salt**

No bulk salt is stored at this facility.

### **3.8 MSGP Sector-Specific Non-Numeric Effluent Limits**

Sector specific non-numeric effluent limits are applicable to this facility and included in this document.

### **3.9 Employee Training**

All staff working at this facility are to be trained once per year on stormwater pollution prevention planning. Both the curriculum as well as a sign-in sheet with names of trained employees must be included in this plan. New employees are trained upon entering the workforce.

Attachment G is set aside for "Records of Training Curriculum and Student Attendance Forms".

Stormwater pollution prevention planning trainings include spill reporting protocols, management of salt and other deicers, oil management, spent solvent management, disposal of spent abrasives, spill prevention control and countermeasures, fueling procedures, fuel unloading procedures, general good housekeeping practices, painting and blasting procedures, and used battery management etc., as required.

### **3.10 Non-Stormwater Discharges**

Because all stormwater runoff enters the stormwater management pond as sheetflow, signs of non-storm discharges are evident on pavement leading to the pond and inside the pond surface.

Leaking equipment is kept indoors and oil pans are provided to catch leaks until said equipment can be repaired. Staff has access to absorbent powders to catch any petroleum products which may have leaked onto pavement under damaged equipment. Greasy mechanical parts are kept indoors and all outdoor dumpsters are covered at all times.

Absolutely no washing of equipment with detergents is allowed outdoors.

### **3.11 Waste, Garbage and Floatable Debris**

This facility is regularly cleaned of floatables by facility staff. Floatables found in the dry pond are also removed monthly as part of the routine SWPPP inspection in order to prevent discharge into waterway.



### **3.12 Dust Generation and Vehicle Tracking of Industrial Materials**

Raw materials are not tracked by equipment leaving the facility. Sludge/Septic dumping areas have water available to wash off vehicles prior to leaving the site. All wash water is collected and drains back into the collection tanks for treatment. Sludge is loaded on the pad in such a way that the loader never leaves the pad. Any spillage is immediately cleaned.

## **SECTION 4: Schedules and Procedures for Monitoring**

Monitoring of stormwater discharges is not required for this SIC code.

## **SECTION 5: Inspections: Routine and Annual**

### **5.1 Routine Facility Inspections**

Routine facility inspections will be done by a SWPPP team member (indicated in Section 1.3) of all areas of the facility where industrial materials or activities are exposed to stormwater, and of all stormwater control measures. This routine inspection will be done using Attachment D – “Routine Facility Inspection Reports” form.

Routine facility inspections will be conducted at least quarterly (i.e., once each calendar quarter)

At least once each calendar year, the routine facility inspection will be conducted during a period when a stormwater discharge is occurring.

The completed Routine Facility Inspection Reports form will be kept in the SWPPP notebook.

### **5.2 Comprehensive (Annual) Site Inspections**

A comprehensive site inspection will be done annually by the SWPPP team member indicated above, using the Comprehensive Annual Report Form (Attachment E).

Personnel will verify that the description of potential pollutant sources is accurate, the drainage map has been updated to reflect current conditions, and the controls to reduce pollutants identified in the stormwater pollution prevention plan are being implemented and are adequate.

The site inspector will report his/her findings to the Division Director to ensure that each inspection results in an appropriate response.

Specific areas of the facility to be inspected include:

- The parking lot will be inspected for staining from leaking equipment.
- All loading/unloading areas will be inspected for signs of leaks/spills/stains.
- Indoor and outdoor vehicle/equipment maintenance areas will be inspected.
- The inlet into the stormwater management facilities and the outfalls into the stream will be inspected.

The completed Comprehensive Annual Report Form will be kept in the SWPPP notebook.




## SECTION 6: SWPPP CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: Kevin Demosky

Title: Division Director, DUSWM

Signature: 

Date: 4/20/2012



## SECTION 7: SWPPP MODIFICATIONS

Your SWPPP is a “living” document and is required to be modified and updated, as necessary, in response to corrective actions, changing activities or management practices.










- If you need to modify the SWPPP in response to a corrective action then the certification statement of this SWPPP template must be re-signed.
- For any other SWPPP modification, you should keep a log with a description of the modification, the name of the person making it, and the date and signature of that person.






\*\*\*\*\*  
**INSERT LOG of SWPPP MODIFICATIONS HERE**  
**or REFERENCE ANY ATTACHMENTS**  
**RELATING to SWPPP MODIFICATION**  
\*\*\*\*\*

**Jessica Seipp with the County’s Watershed Management Section (WMS) must be notified of and receive copies of any modifications to the SWPPP. She can be reached at 301.600.1350 or [jseipp@frederickcountymd.gov](mailto:jseipp@frederickcountymd.gov).**





<b>SWPPP Modification Log</b>			
<b>Name of Facility:</b> Ballenger-McKinney WWTP			
<b>Description of Modification</b>	<b>Name of Person making the modification</b>	<b>Date of modification</b>	<b>Signature of person making modification</b>
Replace Figure 1-3 and Attachment B, Site Map 1 to show hypochlorite tank location	Jessica Seipp/Mark Schweitzer	06/06/12	
Replace Quarterly Inspection form	Jessica Seipp/Mark Schweitzer	06/06/12	
Updated phone number for Floyd E. Cline – emergency spill response contractor	Jessica Seipp/Mark Schweitzer	08/13/12	
Updated list of emergency spill response contractors	Jessica Seipp/Mark Schweitzer	08/13/12	
Update language in Section 3.4.3 to reflect proper spill response procedures	Jessica Seipp/Mark Schweitzer	08/13/12	
Inserted internal spill response form	Jessica Seipp/Mark Schweitzer	08/13/12	
Inserted sign-in sheets from 2012 SWPPP/SPCC trainings	Jessica Seipp/Mark Schweitzer	08/13/12	
Inserted copies of power points from 2012 SWPPP/SPCC trainings	Jessica Seipp/Mark Schweitzer	08/13/12	
Replaced Annual/Comprehensive Inspection form	Jessica Seipp/Mark Schweitzer	10/31/12	

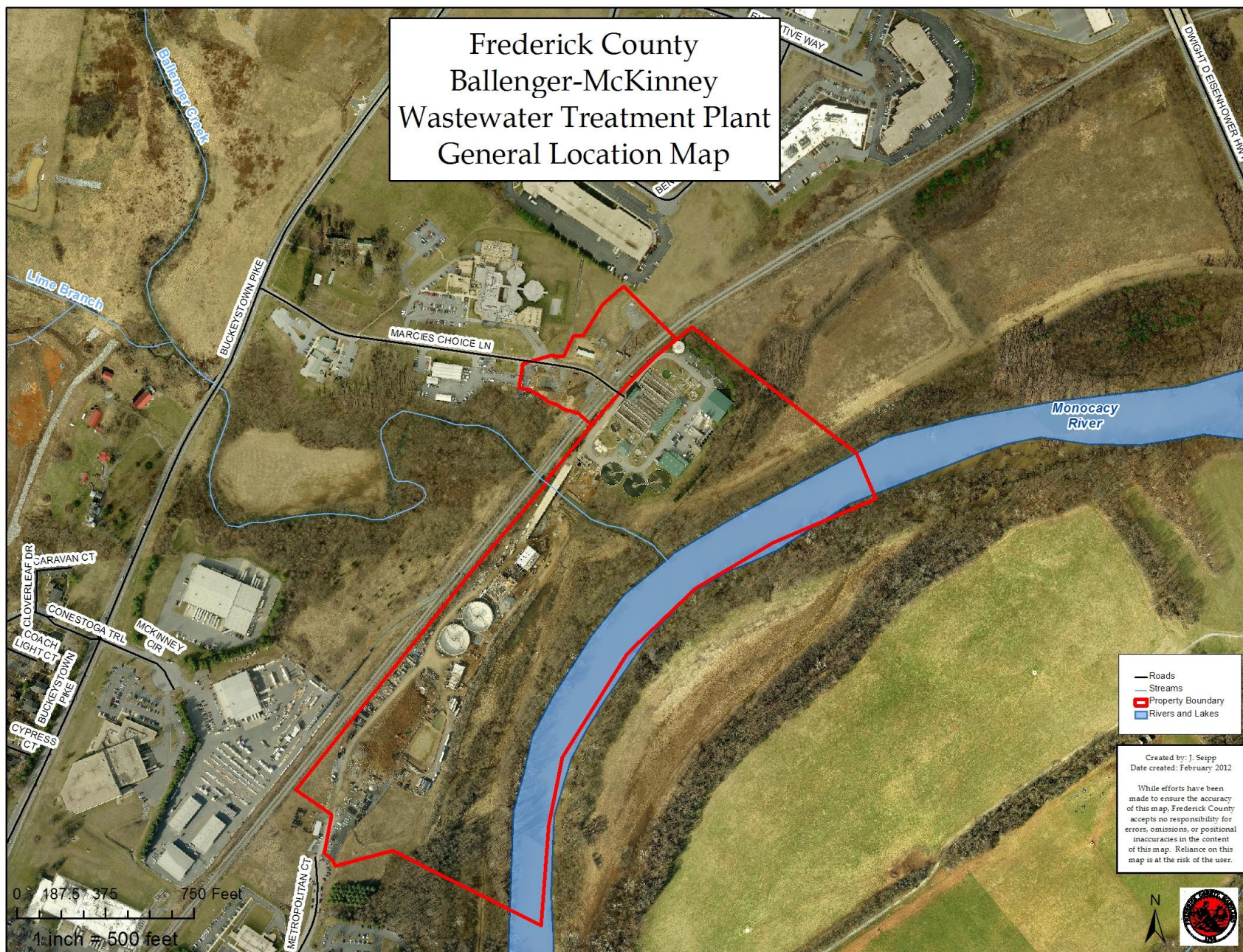
SWPPP Modification Log			
Name of Facility: Ballenger-McKinney WWTP			
Description of Modification	Name of Person making the modification	Date of modification	Signature of person making modification
Updated SWPPP contacts and Pollution Prevention Team	Jessica Seipp/Mark Schweitzer	03/11/13	
Inserted revised quarterly and annual inspection forms	Jessica Seipp/Mark Schweitzer	03/11/13	
Updated facility maps	Jessica Seipp/Mark Schweitzer	03/11/13	
Updated list of materials stored at the site	Jessica Seipp/Mark Schweitzer	03/11/13	
Inserted SOPs for loading/unloading of ferric chloride, liquid polymer, and methanol	Jessica Seipp/Mark Schweitzer	03/11/13	

***ATTACHMENT A – General Location Map***





# Frederick County Ballenger-McKinney Wastewater Treatment Plant General Location Map





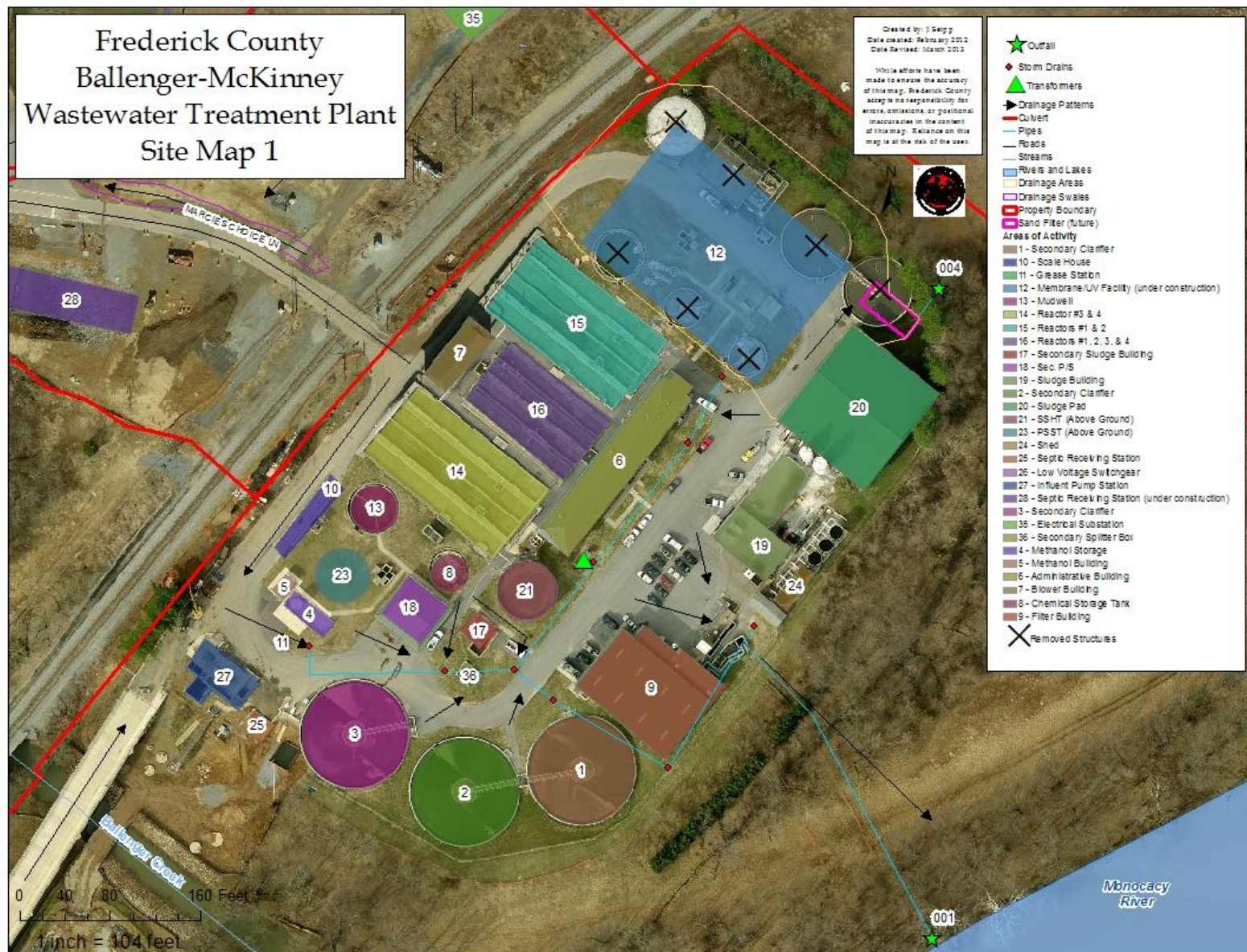


***ATTACHMENT B – Site Maps  
1, 2, and 3***





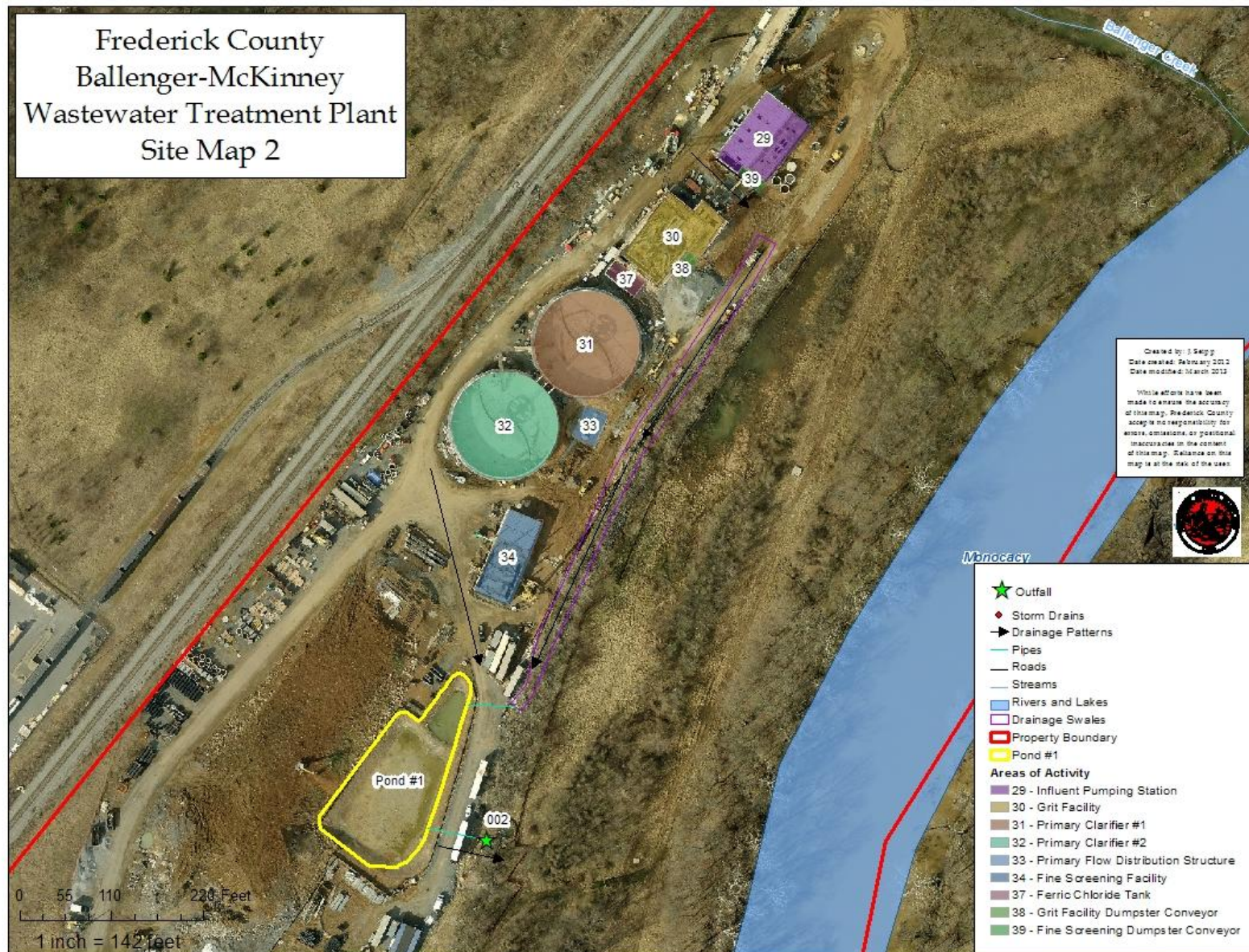
# Frederick County Ballenger-McKinney Wastewater Treatment Plant Site Map 1







# Frederick County Ballenger-McKinney Wastewater Treatment Plant Site Map 2



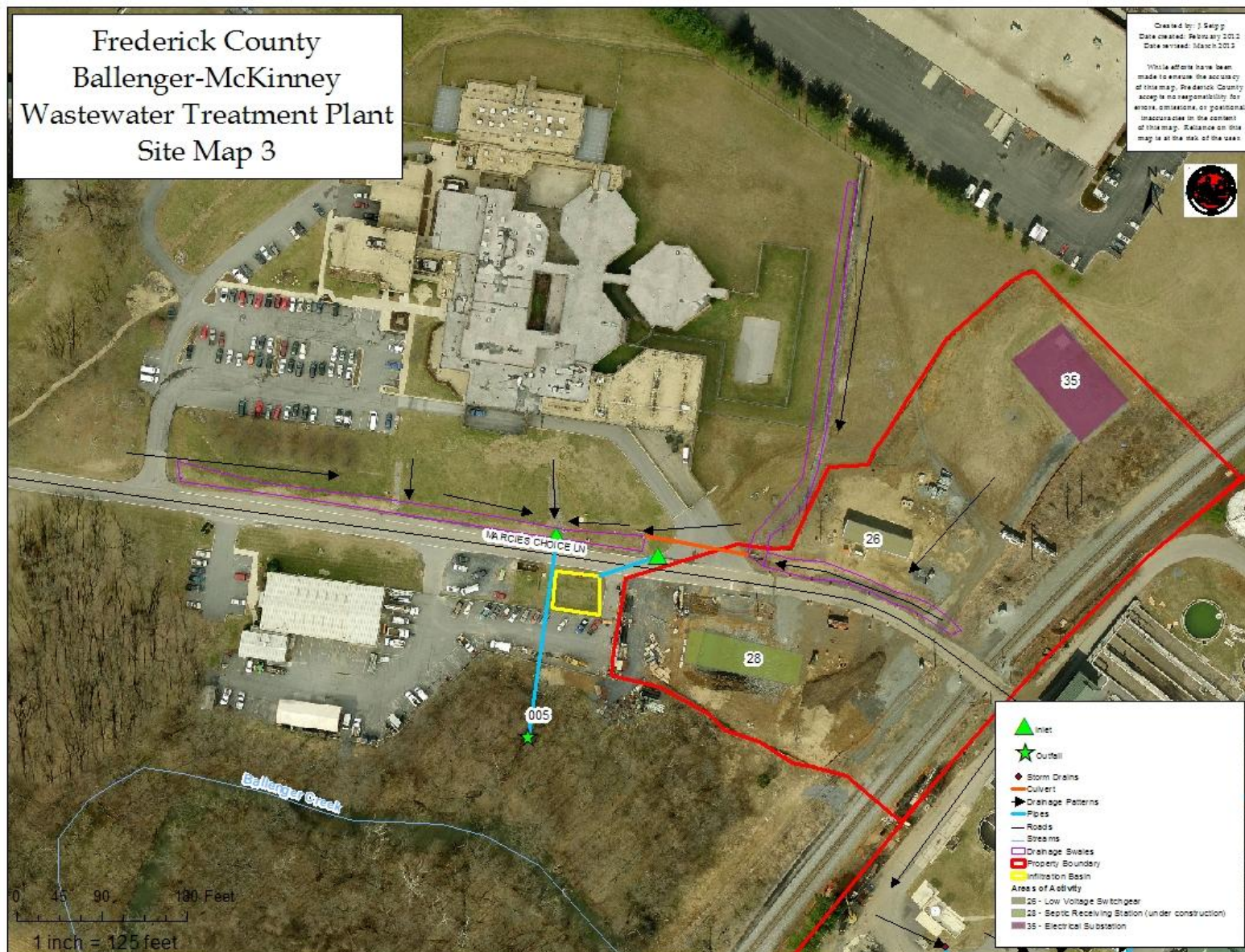




# Frederick County Ballenger-McKinney Wastewater Treatment Plant Site Map 3

Created by: J. Seipp  
Date created: February 2012  
Date revised: March 2012

While efforts have been made to ensure the accuracy of this map, Frederick County accepts no responsibility for errors, omissions, or positional inaccuracies in the content of this map. Reliance on this map is at the risk of the user.







***ATTACHMENT C*** – Discharge Permit for Ballenger-McKinney  
Waste Treatment Plant, State Discharge Permit  
09-DP-0809, NPDES Permit MD0021822 and  
Maryland's General Discharge Permit for Stormwater  
Associated with Industrial Activities

Note: It is helpful to keep a printed copy of the permit so that it is accessible to you for easy reference.





**MARYLAND DEPARTMENT OF THE ENVIRONMENT**

1800 Washington Boulevard • Baltimore MD 21230  
410-537-3000 • 1-800-633-6101

Martin O'Malley  
Governor

Robert M. Summers, Ph.D.  
Secretary

Anthony G. Brown  
Lieutenant Governor

OCT 11 2011

**CERTIFIED MAIL**

Mr. Mike Marschner, Director  
Division of Utilities and Solid Waste Management  
4520 Metropolitan Court  
Frederick, Maryland 21704



RE: Discharge Permit for Ballenger-McKinney Wastewater Treatment Plant, State Discharge Permit  
09-DP-0809, NPDES Permit MD0021822

Dear Mr. Marschner:

Enclosed is the above discharge permit with the effective date indicated on the cover page. The permittee is responsible for complying with all permit conditions. You are therefore advised to read the permit carefully and become thoroughly familiar with the requirements in order to maintain compliance with the permit.

In conjunction with the State's conversion to Watershed-based Permitting, the reapplication due date for this permit renewal will be 09/30/2015 unless the Department has granted permission for a later date.

Also enclosed are Discharge Monitoring Report Forms (EPA No. 3320-1), which must be completed for each reporting period and submitted to the Department in accordance with the requirements of the permit. Please direct all future correspondence regarding permit compliance, unless directed otherwise by the discharge permit, to the following address:

Attention: Discharge Monitoring Reports  
WMA - Compliance Program  
Maryland Department of the Environment  
1800 Washington Boulevard, STE 425  
Baltimore, MD 21230-1708

Page- 2

Mr. Mike Marschner, Director

You will also find enclosed a copy of the Code of Federal Regulations, Part 136 - "Guidelines Establishing Test Procedures for Analysis of Pollutants". The most current version of 40 C.F.R. Part 136 can be found online at EPA's website. The link is (<http://www.epa.gov/regulations/search/40cfr.html>). Unless otherwise specified, these guidelines are to be used for the analyses required by this permit.

In addition, we have also enclosed a copy of the table of the Minimum Monitoring Requirements, a copy of Department's "Toxic Pollutant Monitoring Protocol and Reporting Requirements for Toxic Chemical Testing Analytical Data (amended on 05/18/2011)" and a copy of the WWTP Effluent Toxic Chemical Monitoring Data Transmittal Cover Sheet. A copy of a sample table for calculating cumulative loadings for Total Nitrogen (TN) and Total Phosphorus (TP) is also attached for reporting annual TN and TP cumulative loads along with the December DMR report of each calendar year. An electronic version, in EXCEL SPREADSHEET, of this table can also be provided to you by contacting the Project Manager.

If you have any questions, please contact Mahendra Chawla, Project Manager, Surface Discharge Permits Division, at (410) 537-3679.

Sincerely,



Jay G. Sakai, Director  
Water Management Administration

Enclosures

cc: Mr. Mark Smith, U.S. Environmental Protection Agency  
Mr. George Keller, Director, Environmental Health, Frederick County Health Department  
350 Montevue Lane, Frederick, Maryland 21702  
Mr. Tom Boone  
Ms. Cindy Harris (Permit cover page only)  
Mr. Bill Lee (with a copy of Summary Report & Fact Sheet)  
Mr. Richard Eskin  
Mr. Dennis Rasmussen



## MARYLAND DEPARTMENT OF THE ENVIRONMENT

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Lieutenant Governor

# DISCHARGE PERMIT

<b>NPDES Discharge Permit Number:</b>	<b>MD0021822</b>	<b>State Discharge Permit Number:</b>	<b>09-DP-0809</b>
<b>Effective Date:</b>	<b>11/01/2011</b>	<b>Expiration Date:</b>	<b>10/31/2016</b>
<b>Modification Date:</b>	<b>(Not applicable)</b>	<b>Reapplication Due Date:</b>	<b>09/30/2015</b>

Pursuant to the provisions of Title 9 of the Environment Article, Annotated Code of Maryland, and regulations promulgated thereunder, and the provisions of the Clean Water Act, 33 U.S.C. Section 1251 et seq., and implementing regulations 40 CFR Parts 122, 123, 124 and 125, the Department of the Environment hereby establishes conditions and requirements pertinent to the wastewater treatment plant and collection system and authorizes:

Frederick County  
Division of Utilities and Solid Waste Management  
4520 Metropolitan Court  
Frederick, Maryland 21704

TO DISCHARGE FROM: Ballenger-McKinney Wastewater Treatment Plant (WWTP)

LOCATED AT: 7400 Marcie's Choice Lane  
Frederick, Maryland 21704

THROUGH OUTFALL: 001 ( WWTP Effluent)-

TO: the Monocacy River, designated as Use IP waters; in accordance with the following special and general conditions and a map incorporated herein and made a part hereof.

## I. DEFINITIONS

- A. "Bypass" means the intentional diversion of pollutants from any portion of a treatment or collection facility.
- B. "BOD<sub>5</sub> (Biochemical Oxygen Demand)" means the amount of oxygen consumed in a standard BOD<sub>5</sub> test without the use of a nitrification inhibitor at 20 degree centigrade on an unfiltered sample.
- C. "Clean Water Act" means the Federal Water Pollution Control Act, as amended, 33 U.S.C. Section 1251 et seq.
- D. "CFR" means the Code of Federal Regulations.
- E. "COMAR" means the Code of Maryland Regulations.
- F. "Composite sample" means a combination of individual samples obtained at hourly or smaller intervals over a time period. Either the volume of each individual sample is proportional to discharge flow rates or the sampling interval (for constant volume samples) is proportional to the flow rates over the time period used to produce the composite.
- G. "Department" means the Maryland Department of the Environment (MDE).
- H. "Grab sample" means an individual sample collected in less than 15 minutes.
- I. "Measured flow" means any method of liquid volume measurement, the accuracy of which has been previously demonstrated in engineering practice, or for which a relationship to absolute volume has been obtained.
- J. "Minimum or maximum value" means the lowest or highest value measured.
- K. "Monthly average discharge" means the total mass (and concentration, if appropriate) of all daily discharges sampled and/or measured during a calendar month divided by the number of daily discharges sampled and/or measured during such month.
- L. "Monthly average flow" means the total flow for a calendar month divided by the number of days in the same month.
- M. "Monthly log mean (Monthly geometric mean)" means the logarithmic or geometric mean of all samples taken in the calendar month. The geometric mean is the antilogarithm of the mean of the logarithms.
- N. "Nondetectable Level" for total residual chlorine means a residual concentration of less than 0.10 mg/l as determined using either the DPD titrimetric or chlorimetric method or an alternative method approved by the Department.
- O. "NPDES (National Pollutant Discharge Elimination System)" means the national system for issuing permits as designated by the Clean Water Act.
- P. "Outfall XXX" means the location where the effluent is discharged into the receiving waters.



## I. DEFINITIONS

- Q. "Overflow" means any loss of wastewater or discharge from a sanitary sewer system, combined sewer system or wastewater treatment plant bypass (as defined in I.A) which results in the direct or potential discharge of raw, partially treated wastewater into the waters of the State.
- R. "Permittee" means an individual or organization holding the discharge permit issued by the Department.
- S. "POTW" means a publicly owned treatment works.
- T. "Sampling Point" means the effluent sampling location in outfall line XXX downstream from the last addition point or as otherwise specified.
- U. "Sanitary Sewer Overflow (SSO)" means a discharge of untreated or partially treated sewage from a separate sewer system before the sanitary wastewater reaches the headworks of a wastewater treatment facility, pursuant to COMAR 26.08.10.01.
- V. "Significant Industrial User (SIU)" is defined as any industrial user (IU) that:
  - 1. is subject to national categorical standards; and
  - 2. any other IU that:
    - a. discharges an average of 25,000 gallons per day or more of process wastewater (excluding sanitary, non-contact cooling and boiler blowdown wastewater); or
    - b. contributes a process wastestream that makes up 5% or more of the average dry weather hydraulic or organic capacity of the POTW; or
    - c. is designated as such by the POTW on the basis that the IU has a reasonable potential for adversely affecting the POTW's operation or for violating any pretreatment standard or requirement; or
    - d. is found by the POTW, the Department, or the Environmental Protection Agency (EPA) to have significant impact either individually or in combination with other contributing industries to the POTW, on the quality of the sludge, the POTW's effluent quality, or air emissions generated by the system.
- W. "TKN (Total Kjeldahl Nitrogen)" means organic nitrogen plus ammonia nitrogen.
- X. "TSS (Total Suspended Solids)" means the residue retained on the filter by an analysis done in accordance with Standard Methods or other approved methods.
- Y. "Upset" means the exceptional incident in which there is unintentional and temporary noncompliance with technology-based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.
- Z. "Weekly average" means the highest weekly average of the month, calculated by dividing the total mass (and concentration, if appropriate) for each week by the number of samples collected and measured that week.

**II. SPECIAL CONDITIONS****A.1 Effluent Limitations, Outfalls 001** <sup>(1) (2) (10)</sup>

The quality of the effluent discharged by the facility shall be limited at all times as shown below:

Effluent Characteristics	Maximum Effluent Limits					
	Monthly Average Loading Rate, Pounds/day	Weekly Average Loading Rate, Pounds/day	Daily Average Loading Rate, Pounds/day	Monthly Average Concentration, mg/l	Weekly Average Concentration, mg/l	Daily Average Concentration, mg/l
BOD <sub>5</sub>	410	640	N/A	7.0	11.0	N/A
TSS	1,500	2,250	N/A	26	38	N/A
Total Ammonia Nitrogen as N	58	N/A	N/A	1.0	N/A	N/A
(4/1 to 10/31)	N/A	N/A	N/A	N/A	N/A	N/A
(11/1 to 3/31)						

Effluent Characteristics	Maximum Effluent Limits		
	Total Monthly Loading Rate <sup>(5)</sup> , Pounds/Month	Annual Maximum Loading Rate <sup>(6)</sup> , Pounds/Year	Monthly Average Concentration, mg/l
Total Phosphorus-P <sup>(3)(4)(5)(6)(7)</sup>	REPORT	5,482	REPORT
Total Nitrogen-N <sup>(3)(4)(5)(6)(7)</sup>	REPORT	73,090	REPORT

Effluent Characteristics	Effluent Limits	
	Maximum	Minimum
E. Coli <sup>(8)</sup>	126 MPN/ 100 ml monthly geometric mean	N/A
Total Residual Chlorine <sup>(9)</sup>	UV used. If chlorine is used, limit of 0.016 mg/l at any time or non-detectable level	N/A
pH	8.5	6.5
Dissolved Oxygen	N/A	5.0 mg/l at anytime

An annual average flow of 7.0 million gallons per day (mgd) was used in waste allocation calculations and this unit should be used when reporting on the Discharge Monitoring Report (EPA Form 3320-1, Rev. 01/06). Notification is to be provided to the Department at least 180 days before the annual average flow is expected to exceed this flow level. If a permit modification is required, the Department will initiate the public participation NPDES process.

**II. SPECIAL CONDITIONS****A.2. Effluent Limitations, Outfalls 001** <sup>(1) (2) (10)</sup>

The permittee shall notify the Compliance Program of the Water Management Administration when the combined Ballenger Creek/McKinney facility expansion to 15.0 mgd design capacity is completed. Upon the completion of the expansion and the upgrade of the facility to handle a wastewater flow of at least 15.0 mgd and in accordance with an MDE issued construction permit, the quality of the effluent discharged by the facility shall be limited at all times as shown below:

Effluent Characteristics	Maximum Effluent Limits					
	Monthly Average Loading Rate, Pounds/day	Weekly Average Loading Rate, Pounds/day	Daily Average Loading Rate, Pounds/day	Monthly Average Concentration, mg/l	Weekly Average Concentration, mg/l	Daily Average Concentration, mg/l
BOD <sub>5</sub>	380	560	N/A	3.0	4.5	N/A
TSS <sup>(9)</sup>	1,500	2,250	N/A	12	18	N/A
Total Ammonia Nitrogen as N	63	N/A	N/A	0.5	N/A	N/A
(4/1 to 10/31) (11/1 to 3/31)	1,500	N/A	N/A	12.0	N/A	N/A

Effluent Characteristics	Maximum Effluent Limits		
	Total Monthly Loading Rate <sup>(5)</sup> , Pounds/Month	Annual Maximum Loading Rate <sup>(6)</sup> , Pounds/Year	Monthly Average Concentration, mg/l
Total Phosphorus-P <sup>(3)(4)(5)(6)(7)</sup>	REPORT	13,700	REPORT
Total Nitrogen-N <sup>(3)(4)(5)(6)(7)</sup>	REPORT	183,000	REPORT

Effluent Characteristics	Effluent Limits	
	Maximum	Minimum
E. Coli <sup>(8)</sup>	126 MPN/ 100 ml monthly geometric mean	N/A
Total Residual Chlorine <sup>(9)</sup>	UV used. If chlorine is used, limit of 0.016 mg/l at any time or non-detectable level	N/A
pH	8.5	6.5
Dissolved Oxygen	N/A	7.0 mg/l at anytime

An annual average flow of 15.0 million gallons per day (mgd) was used in waste allocation calculations and this unit should be used when reporting on the Discharge Monitoring Report (EPA Form 3320-1, Rev. 01/06). Notification is to be provided to the Department at least 180 days before the annual average flow is expected to exceed this flow level. If a permit modification is required, the Department will initiate the public participation NPDES process.

## II. SPECIAL CONDITIONS

### A.1 and A.2, Effluent Limitations, Continued

#### *Footnotes for effluent limitations:*

- (1) When this permit is renewed, the new limitations may not be equal to the above limitations. There shall be no discharge of floating solids or visible foam other than trace amounts.
- (2) The permit may also be reopened in accordance with the requirements of MDE's Watershed Permitting Plan under which all discharge permits in a watershed are issued the same year.
- (3) Under Discharge Permit No. 03-DP-0809, these limitations took effect beginning January 1, 2010. Total Nitrogen is the sum of ammonia-N, organic-N and (nitrite + nitrate)-N based on samples collected on the same day.
- (4) The permittee shall operate the enhanced nutrient removal facility in a manner that optimizes the nutrient removal capability of the facility as stipulated in the Grant Agreement for Enhanced Nutrient Removal. The first exceedance of the permit limit shall be counted and reported as daily exceedances beginning from the first exceedance, determined to the nearest day, through December 31. In addition, after any such exceedance, the permittee shall demonstrate to the Department's satisfaction that the facility is optimizing its nutrient removal capability, and neither the arrival of the next calendar year nor the issuance of a permit renewal during a period of noncompliance shall obviate continuance of any noncompliance status related to treatment optimization requirements.
- (5) Total monthly loading rate (in pounds/month) for nutrients is a calculated parameter to be reported for each calendar month. It is equal to  $\{( \text{monthly average concentration, mg/l} ) \times ( \text{Total flow in a calendar month, Million Gallons} ) \times 8.34\}$ .
- (6) The Annual Maximum Loading Rate (in pounds/year) for nutrients is a calculated parameter to be reported monthly from January through December of the current calendar year. At the end of each calendar year, the permittee shall calculate report and comply with the *concentration-based* Annual Maximum Loading Rate limitation(s) defined below or the *Tributary Strategy-based* loading rate limitation in the above table, whichever is lower:
  - (a) TN Limitation (lbs/year):  $4.0 \text{ mg/l} \times \text{annual total flow (calendar year based in million gallons per year)} \times 8.34$ . To the extent that the permittee alleges that temperature levels of 12 degrees C or lower have diminished the treatment system's capability of complying with this *concentration-based* loading rate limitation for Total Nitrogen, the permittee shall provide notification beginning



**II. SPECIAL CONDITIONS**

## A.1 and A.2 Effluent Limitations, Continued

*Footnotes for effluent limitations of Page # 4 and 5, Continued*

## (6) (a) continued

with the calendar year report under the "Upset" provision in Section III.B.6 of this permit. In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset has the burden of proof.

(b) TP Limitation (lbs/year):  $0.30 \text{ mg/l} \times \text{annual total flow (calendar year based in million gallons per year)} \times 8.34$ .

The details and results of all required annual calculations shall be submitted to the Department with the Discharge Monitoring Report for December.

The *concentration-based* loading requirements may be revised if the limits or schedule are determined to be impracticable based on actual performance and the Department re-opens the permit as a major modification (which requires public participation) to impose (an) alternate effluent limitation(s) or revised schedule.

## (7) The permittee may request that the permit be reopened and modified to include nutrient trading consistent with the most current "Maryland Policy for Nutrient Cap Management and Trading in Maryland's Chesapeake Bay Watershed" in effect at that time.

## (8) The Monocacy River was identified on the State's list of WQLSs because of total suspended solids, total phosphorus, (1996 list), fecal coliform, and combination benthic and fishes bioassessment (2002 list). A Total Maximum Daily Load (TMDL), approved by the EPA on March 17, 2009, allocated sediment load of 273.6 Tons/yr to this facility and another TMDL, approved by the EPA on December 3, 2009, allocated E.coli load of 327.01 Billion MPN/day for the Monocacy River sub watershed MON0004. The permitted load for 15.0 mgd flow from Ballenger Creek-McKinney WWTP amounts to 273.6 Tons/yr (12 mg/l maximum monthly concentration) of total suspended solids and 222.48 Billion MPN/day (126 MPN/100 ml maximum geometric mean) of E.coli. Therefore, total suspended solids and E.coli limits are in conformance with these TMDLs. When TMDLs for other remaining parameters are completed, limits may be imposed, after the public participation process, to incorporate any TMDL requirements.

## (9) Total residual chlorine limitation shall be applicable only if chlorine or any chlorine-containing compound is used in the wastewater treatment. The wastewater shall be dechlorinated to reduce effluent total residual chlorine concentration to the non-detectable level (See definition I.N). The minimum level (quantification level) for total residual chlorine is 0.10 mg/l. The permittee may report all results below the minimum level as &lt;0.10 mg/l. All results reported below the minimum level shall be considered in compliance.

## (10) This permit is in conformance with the Chesapeake Bay Total Maximum Daily Load (TMDL) for Nitrogen, Phosphorus, and Sediment established on December 29, 2010.

**II. SPECIAL CONDITIONS****B. Minimum Monitoring Requirements for Outfalls 001:**

The effluent characteristics listed below shall be monitored for Outfall 001 as follows:

<u>Effluent Characteristics</u> <sup>(1)</sup>	<u>Measurement Frequency</u>	<u>Sample Type</u>
BOD <sub>5</sub>	One/day	24 hr. Composite
Total Suspended Solids	One/day	24 hr. Composite
Total Ammonia Nitrogen as N	One/day	24 hr. Composite
Total Phosphorus as P <sup>(2)</sup>	Three/week	24 hr. Composite
Total Nitrogen as N <sup>(2)</sup>	Three/week	24 hr. Composite
(Nitrite + Nitrate) as N <sup>(3)</sup>	Three/week	24 hr. Composite
Organic Nitrogen as N <sup>(3)</sup>	Three/week	24 hr. Composite
Orthophosphate as P <sup>(3)</sup>	Two/month	24 hr. Composite
E. Coli	Three/week	Grab
Total Residual Chlorine <sup>(4)</sup>	See Footnote- 4	See Footnote- 4
Dissolved Oxygen	Three/day One per shift	Grab
pH	Three/day One per shift	Grab
Flow <sup>(5)</sup>	Continuous	Recorded <sup>(6)</sup>
Total Monthly Flow	Monthly	Calculated <sup>(7)</sup>



**II. SPECIAL CONDITIONS****B. Minimum Monitoring Requirements, Continued:***Footnotes for the monitoring requirements, continued:*

- (1) "STORET" (short for STOrage and RETrieval) is a widely-used repository for water quality data reporting and monitoring. The corresponding STORET codes for the effluent characteristics specified in Special Conditions II.A and II.B are: BOD5 (00310), Total Suspended Solids (00530), TKN (00625), Total Ammonia Nitrogen as N (00610), Total Phosphorus as P (00665), Total Nitrogen as N (00600), (Nitrite + Nitrate) as N (00630), Organic Nitrogen as N (00605), Orthophosphate as P (04175), Fecal Coliform (74055), E. Coli (51040), Enterococci (61211), Total Residual Chlorine (50060), Dissolved Oxygen (00300), pH (00400), Flow (50050) and Total Monthly Flow (82220).
- (2) Monitor only; parameters shall be reported on the monthly operating report as individual results and on the Discharge Monitoring Report (EPA Form 3320-1) as a monthly average concentration and monthly loading values.
- (3) Beginning on the effective date of this permit, the permittee shall report on each monthly Discharge Monitoring Report the cumulative TN and TP load for the calendar year in question. The cumulative load is calculated by summing the monthly loading values for each month in that calendar year. TN and TP concentrations will be reported as a monthly average. Total nitrogen is the sum of Total Ammonia-N, Organic-N and (nitrite + nitrate)-N. All nitrogen parameters shall be measured on the same daily samples.
- (4) The minimum monitoring requirements of three per day and one per shift, grab sampling for total residual chlorine shall be applicable, only when the wastewater at the Ballenger-McKinney WWTP is treated with chlorine or any chlorine compound. The minimum detection level (quantification level) for total residual chlorine is 0.10 mg/l. The permittee may report all results below the minimum level as <0.10 mg/l. All results reported below the minimum level shall be considered in compliance.
- (5) Flows shall be reported to at least the nearest 10,000 gallons. For each calendar month, they shall be reported as follows: (a) On the Monthly Operating Reports, the permittee shall report the following three flows: (1) actual daily flow (in Million Gallons (MG)), (2) total monthly flow (in MG) and (3) monthly average flow (in mgd); and (b) On the Discharge Monitoring Reports (EPA Form 3320-1, Rev. 01/06), the permittee shall report flows in mgd as the monthly average and daily maximum. (Example: A flow of 1,570,899 gallons per day shall be reported as 1.57 mgd.)
- (6) Continuous electronic flow measurement and recording which can produce a permanent record are acceptable to the Department.
- (7) "Total monthly flow" is a calculated parameter equal to sum of the daily flow results in a calendar month. It shall be reported on the monthly DMR as Total monthly flow in millions gallons (MG) to at least the nearest 10,000 gallons. (Example: A flow of 1,524,699 gallons shall be reported as 1.53 MG).

## II. SPECIAL CONDITIONS

### C. Capacity Management Plan

The permittee shall report the total cumulative flow for the each calendar year for the above referenced facility. The total cumulative flow should be reported in million gallons for the entire calendar year to the nearest ten thousand gallons. The annual total cumulative flow determination shall be provided to the Department by January 28 of the following year to the address below:

Attention: Calendar Year Total Cumulative Flow  
WMA – Wastewater Discharge Permits Program  
Maryland Department of the Environment  
1800 Washington Boulevard, STE-455  
Baltimore, MD 21230-1708

A Wastewater Capacity Management Plan must be submitted by January 28 of each calendar year if the most recent three year average flow is over 80% of its design capacity or if it is anticipated to exceed 80 % in the following year. (The Department has published a “Wastewater Capacity Management Plans” guidance document, which can be found on the Department’s web site as indicated below):

<http://www.mde.state.md.us/assets/document/water/WastewaterCapacityMgmtGuidance.pdf>.

## II. SPECIAL CONDITIONS

### D. Biomonitoring Program

1. Within three months of the effective date of the permit, the permittee shall submit to the Department for approval a study plan to evaluate wastewater toxicity at Outfall 001 by using biomonitoring. Testing shall be initiated no later than three months following the Department's acceptance of the study plan or according to an approved schedule in the study plan. The study plan should include a discussion of:

- a. wastewater and production variability
- b. sampling & sample handling
- c. source & age of test organisms
- d. source of dilution water
- e. testing procedures/experimental design
- f. data analysis
- g. quality assurance/quality control
- h. report preparation
- i. testing schedule

2. The testing program shall consist of four sets of definitive annual chronic testing. The testing events shall be conducted annually during January or February of each of the first four years after approval of the study plan. This testing shall be initiated no later than the January or February following the Department's acceptance of the study plan.

Each annual testing event shall include the Ceriodaphnia survival and reproduction test and the fathead minnow larval survival and growth test.

3. The samples used for biomonitoring shall be collected at the same time and location as the samples analyzed for the effluent limitations and monitoring requirements for this outfall. For chlorinated effluents, samples shall be collected after dechlorination. The permittee shall collect 24-hour flow-proportioned composite samples unless the Department has given prior approval of an alternative sampling type.

## II. SPECIAL CONDITIONS

4. The following EPA documents discuss the appropriate methods:
  - a. Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms, Fifth Edition, EPA-821-R-02-012, October 2002.
  - b. Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms Fourth Edition, EPA-821-R-02-013, October, 2002
5. Test results shall be submitted to the Department within one month of completion of each set of tests.
6. Test results shall be reported in accordance with MDE/WMA "Reporting Requirements for Effluent Biomonitoring Data," 3/21/03.
7. As a minimum, the reported chronic results shall be expressed as NOEC, LOEC, ChV, and IC<sub>25</sub>.
8. If a 50% mortality or greater occurs in one or more effluent concentrations during the first 48 hours of the chronic tests, 48-hour LC50s shall be calculated and reported along with the chronic results
9. If testing is not performed in accordance with MDE-approved study plan, additional testing may be required by the Department.
10. If the test results of any two consecutive valid toxicity tests show acute or chronic toxicity (LC50 equal to or less than 100% for acute tests and an IC<sub>25</sub> equal to or less than the in-stream waste concentration for chronic tests), the permittee shall repeat the test within 30 days to confirm the findings of acute or chronic toxicity. Intermittent toxicity or other concerns may require additional testing or limits. If acute and/or chronic toxicity is confirmed, the permittee shall:
  - a. Eliminate the source of toxicity through operational changes as soon as possible but in any case not longer than within three months, or

## II. SPECIAL CONDITIONS

- D. 10. b. Perform a TRE. If the permittee repeats the toxicity testing as stated above and the results of the repeat test do not confirm the acute or chronic toxicity, the Department will require the permittee to repeat the toxicity testing as stated above to reconfirm a finding of no acute or chronic toxicity. After reconfirmation, the permittee shall complete any remaining quarterly testing required.
11. If the permittee completes a TRE in accordance with II.E.10.b and unacceptable toxicity is confirmed, a Whole Effluent Toxicity (WET) permit limit and a compliance schedule will be required.
12. If plant processes or operations change so that there is a significant change in the nature of the wastewater, the Department may require the permittee to conduct a new set of test.
13. If a significant industrial user locates within the service area so that significant change in the nature of the wastewater might be anticipated, MDE may require the permittee to conduct a new set of tests.
14. Submit all Biomonitoring related materials to:

Maryland Department of the Environment  
Water Management Administration  
Compliance Program  
1800 Washington Blvd., Suite 420  
Baltimore, MD 21230-1708



## II. SPECIAL CONDITIONS

### E. Toxicity Reduction Evaluation (TRE)

The permittee shall conduct a Toxicity Reduction Evaluation (TRE) when a review of toxicity test data by the Department indicates unacceptable acute or chronic effluent toxicity. A TRE is an investigation conducted to identify the causative agents of effluent toxicity, isolate the source(s), determine the effectiveness of control options, implement the necessary control measures and then confirm the reduction in toxicity.

1. Within 90 days of notification by the Department that a TRE is required, the permittee shall submit for approval by the Department a plan of study, schedule and completion date for conducting a TRE. The permittee shall conduct the TRE study consistent with the submitted plan and schedule.
2. This plan should follow the framework presented in Toxicity Reduction Evaluation Guidance for Municipal Wastewater Treatment Plants (EPA/833B-99/002) August 1999.

Additional Guidance documents on the TRE process are shown below:

Methods for Aquatic Toxicity Identification Evaluations Phase I Toxicity

Characterization Procedures Second Edition United States Environmental Protection Agency Office of Research and Development Washington, DC 20460

EPA/600/6-9 1/003 February 1991

Methods for Aquatic Toxicity Identification Evaluations Phase II Toxicity Identification Procedures for Samples Exhibiting Acute and Chronic Toxicity.  
United States Environmental Protection Agency Office of Research and Development EPA/600/R-92/080 September 1993 Washington DC 20460

Methods for Aquatic Toxicity Identification Evaluations Phase III Toxicity Confirmation Procedures for Samples Exhibiting Acute and Chronic Toxicity.  
United States Environmental Protection Agency Office of Research and Development Washington DC 20460 EPA /600/R-92/08 1 September 1993

Clarifications Regarding Toxicity Reduction and Identification Evaluations in the National Pollutant Discharge Elimination System Program, March 27, 2001,  
U.S. Environmental Protection Agency, Office of Wastewater Management ,  
Office of Regulatory Enforcement, Washington, DC 20460

3. Beginning 60 days from the date of the Department's acceptance of the TRE study plan and every 60 days thereafter, the permittee shall submit progress reports including all relevant test data to the Department. This shall continue until completion of the toxicity reduction confirmation.



## II. SPECIAL CONDITIONS

- E. 4. Within 60 days of completion of the toxicity identification or the source identification phase of the TRE, the permittee shall submit to the Department a plan, schedule and completion date for implementing those measures necessary to eliminate acute toxicity, an LC50 greater than 100%, and/or eliminate chronic toxicity, an IC25 greater than the in-stream waste concentration (IWC). The implementation of these measures shall begin immediately upon submission of this plan.
5. Within 60 days of completing the implementation of the control measures to eliminate or reduce toxicity, the permittee shall submit to the Department for approval a study plan to confirm the elimination or reduction of toxicity by using biomonitoring.
6. If, for any reason, the implemented measures do not result in compliance with the Department's toxicity limitations, the permittee shall continue the TRE and a Whole Effluent Toxicity (WET) permit limit and a compliance schedule will be required.
7. Submit all TRE-related materials to:

Maryland Department of the Environment  
Water Management Administration  
Compliance Program  
1800 Washington Blvd., Suite 420  
Baltimore, MD 21230-1708

## II. SPECIAL CONDITIONS

### F. Toxicity Chemical Testing

1. Concurrent with the biomonitoring study plan, the permittee shall submit to the Department for approval, a study plan to perform three sets of analytical testing for toxic chemicals.
2. The toxic chemical testing study plan shall include a description of:
  - a. sampling methods;
  - b. analytical methods;
  - c. practical detection levels; and
  - d. quality control procedures.
3. Concurrently with the first three biomonitoring toxicity tests, the permittee shall perform analytical testing for the toxic chemicals identified in the Department's "Toxic Pollutant Analytical Protocol and Reporting Requirements for Toxic Chemical Testing Analytical Data"(5/18/2011).
4. Toxic chemical testing shall be performed in accordance with 40 CFR Part 136 and the Department-approved toxic chemical testing plan. Grab samples must be used for cyanide, phenols, and volatile organic compounds. All other pollutants shall be collected using 24-hour flow-proportioned composite samples unless the Department has given prior approval of an alternative sampling type.
5. Substances other than those identified in Section 3 above may be detected in the effluent. If so, the permittee shall identify and quantify the ten present in highest concentration for those compounds for which standards are available.
6. Testing results shall be submitted to the Department with the results of the first toxicity test.
7. Toxic chemical testing results shall be reported in accordance with the Department's "Toxic Pollutant Analytical Protocol and Reporting Requirements for Toxic Chemical Testing Analytical Data"(5/18/2011).
8. If testing is not performed in accordance with the Department's approved study plan, additional testing may be required by the Department.
9. Submit all toxic chemical testing related materials to:

Attention: Toxic Chemical Data  
Maryland Department of the Environment  
Water Management Administration  
Compliance Program  
Montgomery Park Business Center  
1800 Washington Boulevard, STE 420  
Baltimore, MD. 21230-1708

## II. SPECIAL CONDITIONS

### G. Pretreatment Program

The permittee shall operate and maintain the pretreatment program in accordance with COMAR 26.08.08, the General Pretreatment Regulations for Existing and New Sources of Pollution (40 CFR Part 403) and the approved pretreatment program submission as approved on January 24, 1986 by the Department. The program must be updated if needed to comply with COMAR 26.08.08 or 40 CFR Part 403 or modifications to the State of Maryland Publicly Owned Treatment Works (POTW) Pretreatment Delegation Agreement signed on June 24, 1993 and as amended on July 9, 2001. The terms of the POTW Pretreatment Delegation Agreement are expressly incorporated herein as if set forth in full.

### H. Protection Of Water Quality

It is a violation of this permit to discharge any substance not otherwise listed under the permit's "Effluent Limitations and Monitoring Requirements" special conditions at a level which would cause or contribute to any exceedance of the numerical water quality standards in COMAR 26.08.02.03 unless the level and the substance were disclosed in writing in the permit application prior to the issuance of the permit. If a discharge regulated by this permit causes or contributes to an exceedance of the water quality standards in COMAR 26.08.02.03, including but not limited to the general water quality standards, the Department is authorized to exercise its powers to modify, suspend or revoke this permit.

### I. Reapplication for a Permit

No later than September 30, 2015, unless permission for a later date has been granted by the Department, the permittee shall submit a new application for a permit or notify the Department of the intent to cease discharging by the expiration date. In the event that a timely and complete reapplication has been submitted and the Department is unable, through no fault of the permittee, to issue a new permit before the expiration date of this permit, the terms and conditions of this permit continue and remain fully effective and enforceable. The renewal application is required by that date in accordance with the requirements of MDE's Watershed Permitting Plan under which all discharge permits in a watershed should be issued in the same year.

### III. GENERAL CONDITIONS

#### A. Monitoring and Reporting

##### 1. Representative Sampling

Samples and measurements shall be taken at times that are representative of the quantity and quality of the discharge, and at evenly spaced intervals.

##### 2. Monthly Monitoring Results

###### a. Discharge Monitoring Reports

Monitoring results obtained each month shall be summarized on a Discharge Monitoring Report form (EPA No. 3320-1). The permittee shall submit the Discharge Monitoring Reports to the Department postmarked no later than the 28th of the month following the reporting month. A signed original plus a copy of these reports shall be submitted to:

Attention: Discharge Monitoring Reports  
WMA - Compliance Program  
Maryland Department of the Environment  
1800 Washington Boulevard, STE-425  
Baltimore, MD 21230-1708

A signed copy of these reports shall also be sent to:

U.S. Environmental Protection Agency, Region III  
NPDES Enforcement Branch (3WP42)  
1650 Arch Street  
Philadelphia, Pennsylvania 19103-2029

###### b. Monthly Operating Reports

The permittee shall submit monthly operating reports on a form acceptable to the Compliance Program. A signed original plus a copy of these reports shall be submitted to the Compliance Program postmarked no later than the 28th day of the month following the reporting month.

###### c. Toxic Chemical Reporting

Any data collected according to MDE's Water Management Administration "Toxic Pollutant Analytical Protocol and Reporting Requirements for Toxic Chemical Testing Analytical Data" (4/09) being submitted to the Department, either in fulfillment of Special Conditions

### III. GENERAL CONDITIONS

A. 2. C. continued

II.B or pursuant to the toxic chemical testing requirement, pretreatment requirements or toxic metals or organic data collected on a voluntary basis, must be accompanied by laboratory data reports. At a minimum, these reports shall include, the name of the facility, the date(s) of sampling, beginning and ending sample time, place of sampling collection, the sample type (grab, composite, etc.), the sample description (influent or effluent), the preservation method, the analytical method used for each parameter, the analytical method detection limit, the date of analysis, the name of person performing the analysis, the analytical result, and the name and address of the laboratory performing the analyses. Chain-of-custody forms shall also be submitted. This information, along with the supporting documentation, shall be submitted to:

Attention: Toxic Chemical Data  
WMA – Compliance Program  
Maryland Department of the Environment  
1800 Washington Boulevard, STE 420  
Baltimore, Maryland 21230-1708

3. Sampling and Analysis Methods

Analytical and sampling methods shall conform to test procedures for the analysis of pollutants as identified in 40 CFR Part 136 - "Guidelines Establishing Test Procedures for the Analysis of Pollutants."

4. Monitoring Equipment Maintenance

- a. The permittee shall calibrate and maintain all monitoring and analytical instrumentation to ensure accuracy of measurements.
- b. Environment Article, Section 9-343 provides that any person who falsifies, tampers with, or knowingly renders inaccurate, any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than \$10,000 per violation, or by imprisonment for not more than six months per violation, or by both.

5. Recording of Results

For each measurement or sample taken pursuant to the requirements of the permit, the permittee shall record the following information:



### III. GENERAL CONDITIONS

A. 5. Continued

- a. the date, exact place and time of sampling or measurement;
- b. the person(s) who performed the sampling or measurement;
- c. the dates analyses were performed;
- d. the person(s) who performed each analysis;
- e. the analytical techniques or methods used; and
- f. the results of such analyses.

6. Additional Monitoring by Permittee

If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit, using approved analytical methods as specified above, the results of such monitoring shall be included in the calculation and reporting of the values required in the Discharge Monitoring Report form (EPA No. 3320-1). The increased frequency shall also be reported. The results of any other monitoring performed by the permittee shall be made available to the Department upon request.

7. Record Retention

All data used to complete the permit application and all records and information resulting from the monitoring activities required by this permit, including all records of sampling and analyses performed, calibration and maintenance of instrumentation, and recordings from continuous monitoring instruments, shall be retained for a minimum of three years. This period shall be extended automatically during the course of litigation or when requested by the Department.

B. General Requirements

1. Permit Noncompliance - Notification Requirements

All discharges authorized herein shall be consistent with the terms and conditions of this permit. If, for any reason, the permittee does not comply with or will be unable to comply with any permit condition, the permittee shall, within 24 hours, notify the Department by telephone at (410) 537-3510 during work hours or at (866) 633-4686 during evenings, weekends, and holidays.

### III. GENERAL CONDITIONS

#### B.1 General Requirements, continued

The permittee shall provide the Department with the following information in writing within five days of such oral notification.

- a. a description of the noncomplying discharge including the name of the stream and the impact upon the receiving waters;
- b. cause of noncompliance;
- c. the duration of the period of noncompliance and the anticipated time the condition of noncompliance is expected to continue;
- d. steps taken by the permittee to reduce and eliminate the noncomplying discharge;
- e. steps to be taken by the permittee to prevent recurrence of the condition of noncompliance;
- f. a description of the accelerated or additional monitoring to determine the nature and impact of the noncomplying discharge; and
- g. the results of the monitoring described in f. above.

#### 2. Change in Discharge

The permittee shall report any anticipated facility expansions, production increases, or process modifications which will result in new, different or an increased discharge of pollutants by submitting a new application at least 180 days prior to the commencement of the changed discharge or, if such changes will not violate the effluent limitations specified in this permit, by providing prior written notice to the Department. Following such notice, the permit may be modified by the Department to specify and limit any pollutants not previously limited.

#### 3. Facility Operation and Quality Control

All waste collection, control, treatment and disposal facilities shall be operated in a manner consistent with the following:

- a. Facilities shall be operated efficiently to minimize upsets and discharges of excessive pollutants.

### III. GENERAL CONDITIONS

- B. 3. b. The permittee shall provide an adequate operating staff qualified to carry out operation, maintenance and testing functions required to ensure compliance with this permit. Superintendents and operators must be certified by the Board of Waterworks and Waste Systems Operators located at Montgomery Park Business Center, 1800 Washington Boulevard, STE- 410, Baltimore, Maryland 21230 in accordance with Title 12 of Environmental Article, Annotated Code of Maryland.
- c. Facility maintenance work, which adversely affects or may adversely affect the discharge quality shall be scheduled during non-critical water quality periods. The permittee shall follow the reporting procedures listed in General Condition III.B.1 of this permit, Noncompliance Notification.

4. Adverse Impact

The permittee shall take all reasonable steps to minimize any adverse impact to waters of this State, human health or the environment resulting from noncompliance with any effluent limitations specified in this permit, and must perform accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge.

5. Bypassing

Any bypass of treatment facilities is prohibited unless the bypass does not cause any violations of the effluent limitations specified in Special Condition II.A, and is for essential maintenance to assure efficient operation, or unless the permittee can prove that:

- a. the bypass is unavoidable to prevent loss of life, personal injury, or substantial physical damage to property, damage to the treatment facilities which would cause them to become inoperable, or substantial and permanent loss of natural resources; and
- b. there are no feasible alternatives to the bypass; and
- c. the Department receives notification pursuant to General Condition III.B.1 above. Where the need for a bypass is known (or should have been known) in advance, this notification shall be submitted to the Department for approval at least ten days before the date of the bypass or at the earliest possible date if the period of advance knowledge is less than ten days; and
- d. the bypass is allowed under conditions approved by the Department to be necessary to minimize adverse effects.

### III. GENERAL CONDITIONS

6. Conditions Necessary for Demonstration of Upset

An upset shall constitute an affirmative defense to an action brought for noncompliance with technology-based effluent limitations only if the permittee demonstrates, through properly signed, contemporaneous operating logs, or other relevant evidence, that:

- a. an upset occurred and that the permittee can identify the specific cause(s) of the upset;
- b. the permitted facility was at the time being operated in a prudent and workman-like manner and in compliance with proper operation and maintenance procedures;
- c. the permittee submitted a 24-hour notification of upset in accordance with the reporting requirements of General Condition III.B.1 above;
- d. the permittee submitted, within five calendar days of becoming aware of the upset, documentation to support and justify the upset; and
- e. the permittee complied with any remedial measures required to minimize adverse impact.

In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset has the burden of proof.

7. Sewage Sludge Requirements

The permittee shall comply with all existing State and federal laws and regulations that apply to sewage sludge monitoring requirements and utilization practices, and with any regulations promulgated pursuant to Environment Article, Section 9-230 et seq. or to the Clean Water Act, Section 405 (d). The permittee is responsible for ensuring that its sewage sludge is utilized in accordance with a valid sewage sludge utilization permit issued by the Department. If the sludge is hauled out of the State for disposal, a transportation permit must be obtained from the Department.

8. Power Failure

The permittee shall maintain compliance with the effluent limitations and all other terms and conditions of this permit in the event of a reduction, loss or failure of the primary source of power to the wastewater collection and treatment facilities.



### III. GENERAL CONDITIONS

9. Right of Entry

The permittee shall allow the Secretary of the Department, the Regional Administrator of the Environmental Protection Agency, and their authorized representatives, upon the presentation of credentials to enter upon the permittee's premises and:

- a. to have access to and to copy any records required to be kept under the terms and conditions of this permit;
- b. to inspect any monitoring equipment or monitoring method required in this permit;
- c. to inspect any collection, treatment, pollution management, or discharge facilities required under this permit; or
- d. to sample any discharge of pollutants.

10. Property Rights/Compliance With Other Requirements

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property, invasion of personal rights, or any infringement of federal, State or local laws or regulations.

11. Reports and Information

- a. Upon request, the permittee shall provide to the Department, within a reasonable time, copies of records required to be kept by this permit. The permittee shall also furnish to the Department, within a reasonable time, any information which the Department may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit; or to determine compliance with this permit.
- b. All applications, reports or information submitted to the Department shall be signed and certified as required by COMAR 26.08.04.01 and 40 CFR 122.22.
- c. Except for data determined to be confidential under COMAR 26.08.04.01, all data shall be available for public inspection at the Department and the Office of the Regional Administrator of the Environmental Protection Agency. Effluent data shall not be considered confidential.



### III. GENERAL CONDITIONS

- d. Environment Article, Section 9-343 provides that any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or noncompliance, shall upon conviction be punished by a fine of not more than \$10,000 or by imprisonment for not more than six months or by both.

#### 12. Transfer of Ownership or Control

In the event of any change in ownership or control of facilities from which the authorized discharge emanates, the permit may be transferred automatically to another person only if:

- a. the current permittee notify the Department, in writing, of the proposed transfer at least 30 days prior to the proposed transfer date;
- b. the notice includes a written agreement between the existing permittee and a new permittee containing the specific date of proposed transfer of permit coverage, and of responsibilities and liabilities under the permit; and
- c. neither the current permittee nor the new permittee receive notification from the Department, within 30 days of the Department's receipt of the agreement, of its intent to modify, revoke, reissue or terminate the existing permit. If this notice is not received, the transfer is effective on the date specified in the agreement mentioned in paragraph 12(b) above.

#### 13. New Effluent Standards

This permit shall be revoked and reissued or modified to meet any effluent standard, water quality standard or prohibition established under the Environment Article; the Clean Water Act, or regulations promulgated thereto, and the permittee shall be so notified.

#### 14. Industrial Users

The permittee shall require all industrial users of the wastewater treatment facility to comply with user charges as established by the permittee, pursuant to Section 9-326(a)(i) of the Environment Article.

### III. GENERAL CONDITIONS

15. Noncompliance

Nothing in this permit shall be construed to preclude the institution of any legal action for noncompliance with State, federal or local laws and regulations.

16. Oil and Hazardous Substance Liability

Nothing in this permit shall be construed to preclude the institution of any legal action against the permittee or to relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under Section 311 of the Clean Water Act or under the Environment Article.

17. Waterway Construction and Obstruction

The permit does not authorize the construction or placing of physical structures, facilities, debris, or the undertaking of related activities in any waters of this State including the 100 year flood plain.

18. Construction Permit

This permit is not a permit to construct. For a new facility, in order to make this permit valid, a construction permit shall be obtained to meet the requirements of COMAR 26.03.12.03(A) and Environment Article, Section 9-204(d).

19. Severability

If any provision of this permit shall be held invalid for any reason, the remaining provisions shall remain in full force and effect, and such invalid provisions shall be considered severed and deleted from this permit.

C. Wastewater Collection System

This permit shall not authorize discharges from the wastewater collection system for this facility.

1. Reporting Requirements

Pursuant to Environment Article Sub title 9-331.1, the permittee must report sanitary sewer overflows (SSOs) which result in the direct or potential discharge of raw or diluted sewage into the surface waters or ground waters of the State to the Water Management Administration's Compliance Program. Such reports must be made via telephone as soon as practicable, but no later than 24 hours after the time that the permittee became aware of the event. Reportable SSOs include, but are not limited to, overflows into the surface of the ground, into

### III. GENERAL CONDITIONS

#### C. Wastewater Collection System, continued

1. waterways, storm drains, ditches or other manmade or natural drainage conveyances to surface or ground waters which are reasonably likely to reach waters of the State. Overflows that are wholly contained within buildings and not likely to discharge to waterways need not be reported. Treatment plant bypasses shall be reported under General Condition III.B.1. Telephone reports shall be made to (410) 537-3510 on weekdays between 8:00 a. m. and 5:00 p.m. After hours telephone notification shall be made to emergency response number at (866) 633-4686.

When the incident is reported to the Department, the following information needs to be included:

- a. the location of the overflow, including city or county,
- b. the name of the receiving water, if applicable;
- c. an estimate of the volume of sewage discharged;
- d. a description of the sewer system or treatment plant component from which the overflow was released (such as manhole, crack in pipe, pumping station wet well or constructed overflow pipe);
- e. an estimate of the overflow's impact upon public health and to waters of the State;
- f. the cause or suspected cause of the overflow;
- g. the estimated date and time when the overflow began and stopped or the anticipated time the overflow is expected to continue;
- h. if known at the time of reporting, the steps taken or planned to reduce, eliminate and prevent reoccurrence of the overflow and a schedule of major milestones for those steps; (if unknown at the time the telephone report is made, the steps must be included in the written reports submitted under general conditions III.C.2).
- i. if known at the time of reporting, measures taken or planned to mitigate the adverse impact of the overflow and a schedule of major milestones for those steps (if unknown at the time the telephone report is made, the steps must be included in the written reports submitted under general conditions III.D.2); and
- j. whether there has already been a notification to the public and other City or County Agencies or Departments and how notification was done.

### III. GENERAL CONDITIONS

C. Wastewater Collection System, continued

2. Written Reports

Within 5 calendar days following telephone notification of the event, the permittee shall provide MDE with a written report regarding the incident that includes, at a minimum, the information cited above.

The permittee shall maintain copies of all overflow records and reports, work orders associated with investigation of overflows, a list and description of complaints from customers or others related to overflows (including backups of sewage in to houses or businesses), and documentation of performance and implementation measures for minimum period of three years and shall make this information available to MDE for review upon written request.

This wastewater collection system provision may be superseded by a general permit for collection systems, when such a permit is issued by MDE and the permittee have been accepted for registration under the permit.

D. Permit Expiration, Modification, or Revocation

1. Expiration of Permit

This permit and the authorization to discharge shall expire at midnight on the expiration date of the permit unless the permittee has submitted a timely and complete reapplication pursuant to Section II.I.

2. [Reserved.]

3. Permit Modification - Request of Responsible Permittee

A permit may be modified by the Department upon the written request of the permittee and after notice and opportunity for a public hearing in accordance with the provisions set forth in COMAR 26.08.04.10.

4. Permit Modification, Suspension, Revocation - Violation of Laws

A permit may also be modified, suspended or revoked by the Department, in the event of a violation of the terms or conditions of the permit, or of State or federal laws and regulations and in accordance with the provisions set forth in COMAR 26.08.04.10. This permit may be suspended or revoked upon a final, unreviewable determination that the permittee lacks, or is in violation of, any federal, state, or local approval necessary to conduct the activities authorized by this permit.



#### IV. CIVIL AND CRIMINAL PENALTIES

##### A. Civil Penalties for Violations of Permit Conditions

In addition to civil penalties for violations of State water pollution control laws set forth in Section 9-342 of the Environment Article, Annotated Code of Maryland, the Clean Water Act provides that any person who violates Section 301, 302, 306, 307, 308, 318 or 405 of the Act, or any permit condition or limitation implementing any of such sections in a permit issued under Section 402 of the Act or in a permit issued under Section 404 of the Act, is subject to a civil penalty not to exceed \$32,500 per day for each violation.

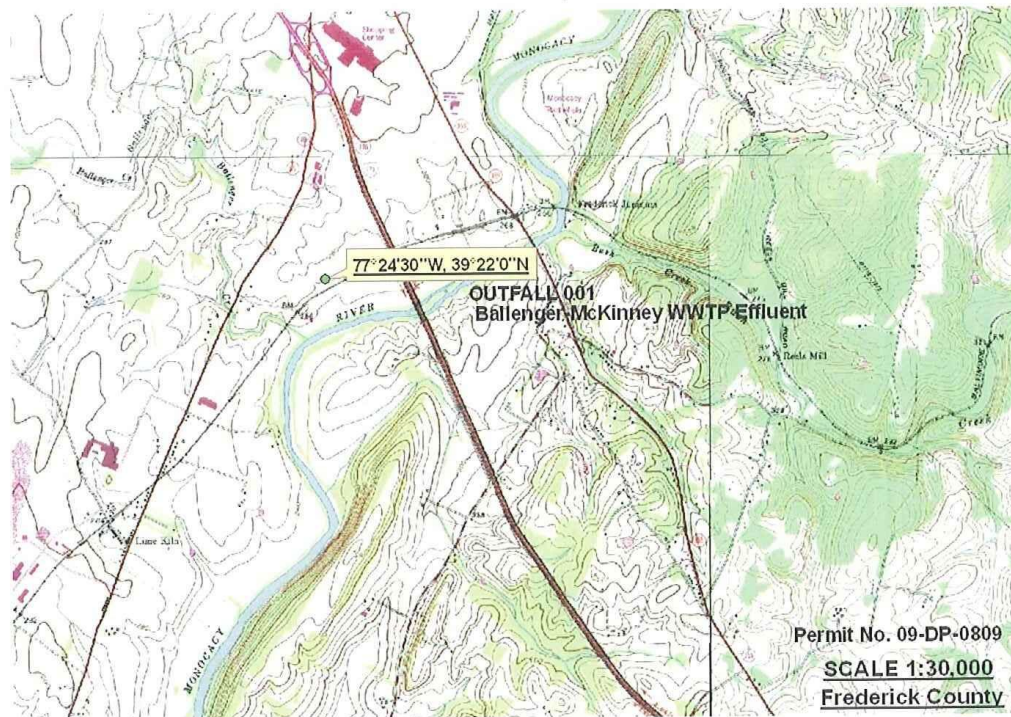
##### B. Criminal Penalties for Violations of Permit Conditions

In addition to criminal penalties for violations of State water pollution control laws set forth in Section 9-343 of the Environment Article, Annotated Code of Maryland, the Clean Water Act provides that:

1. any person who negligently violates Section 301, 302, 306, 307, 308, 318, or 405 of the Act, or any permit condition or limitation implementing any of such sections in a permit issued under Section 402 of the Act, or in a permit issued under Section 404 of the Act, is subject to a fine of not less than \$2,500 nor more than \$27,500 per day of violation, or by imprisonment for not more than one year, or by both.
2. any person who knowingly violates Section 301, 302, 306, 307, 308, 318 or 405 of the Act, or any permit condition or limitation implementing any of such sections in a permit issued under Section 402 of the Act, or in a permit issued under Section 404 of the Act, is subject to a fine of not less than \$5,000 nor more than \$50,000 per day of violation, or by imprisonment for not more than three years, or by both.
3. any person who knowingly violates Section 301, 302, 306, 307, 318 or 405 of the Act, or any permit condition or limitation implementing any of such sections in a permit issued under Section 402 of the Act, or in a permit issued under Section 404 of the Act, and who knows at that time that he thereby places another person in imminent danger of death or serious bodily injury, is subject to a fine of not more than \$250,000 or imprisonment of not more than 15 years, or both.
4. any person who knowingly makes any false material statement, representation, or certification in any application, record, report, plan, or other document filed or required to be maintained under the Act or who knowingly falsifies, tampers with or renders inaccurate any monitoring device or method required to be maintained under the Act, is subject to a fine of not more than \$10,000 or by imprisonment for not more than two years, or by both.



## V. MAP SHOWING DISCHARGE POINT LOCATION



## **VI. NPDES PROGRAM**

On September 5, 1974, the Administrator of the U.S. Environmental Protection Agency approved the proposal submitted by the State of Maryland for the operation of a permit program for wastewater discharges pursuant to Section 402 of the Clean Water Act.

Pursuant to the aforementioned approval, this discharge permit is both a State of Maryland discharge permit and an NPDES permit.

A handwritten signature in cursive script, reading "Jay G. Sakai".

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Jay G. Sakai, Director  
Water Management Administration



# MARYLAND DEPARTMENT OF THE ENVIRONMENT

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## GENERAL DISCHARGE PERMIT FOR STORM WATER ASSOCIATED WITH INDUSTRIAL ACTIVITIES

DISCHARGE PERMIT NO. 02-SW

NPDES PERMIT NO. MDR

Effective Date: December 1, 2002

Expiration Date: November 30, 2007

### Part I. Applicability.

A. Geographic Coverage. This permit covers all areas of the State of Maryland.

B. Eligible Discharges. This permit may cover all storm water discharges associated with industrial activity (except as described in Part I.C.1), as defined in 40 CFR 122.26, that discharge to surface waters of the State. Such discharges may be commingled with wastewater or water discharges not regulated by this permit. This permit also covers storm water discharges not included in 40 CFR 122.26 that the Department determines would, if not regulated by a permit, be likely to contribute to a violation of a water quality standard or be a significant contributor of pollutants to waters of the State, either surface or ground.

C. Ineligible Discharges. The following discharges are not covered under this general permit.

1. Storm water discharges from any construction activity, as defined in 40 CFR 122.26;
2. Storm water discharges that are regulated by effluent limitation guidelines. All or part of the storm water from the following industries are covered by effluent limitation guidelines: cement manufacturing (40 CFR 411), feedlots (40 CFR 412), fertilizer manufacturing (40 CFR 418), petroleum refining (40 CFR 419), phosphate manufacturing (40 CFR 422), steam electric generating (40 CFR 423), coal mining (40 CFR 434), mineral mining and processing (40 CFR 436), ore mining and dressing (40 CFR 440, and asphalt emulsion (40 CFR 443);
3. Storm water discharges associated with industrial activity from inactive mining or inactive oil and gas operations occurring on federal lands; and
4. Storm water discharges whose NPDES permit has been terminated (other than at the request of the permittee) or denied, or those for which the Department requires an individual permit or an alternative general permit.

D. No Permit Needed. Storm water associated with facilities where the operator has certified, in accordance with criteria established by the Department on form MDE/WMA/PER.067, that there is no potential for exposure of pollutants to storm water being discharged to State waters need not be permitted.

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## E. Individual Permit or Another General Permit Required.

1. The Department may require any person authorized by this permit to apply for and obtain an individual State or State/NPDES discharge permit or to obtain coverage under another general permit. If an owner or operator fails to submit, in a timely manner, an application for an individual State or State/NPDES discharge permit or a Notice of Intent (NOI) for another general permit as required by the Department under this condition, the applicability of this permit to the owner or operator is automatically terminated at the end of the day specified by the Department for the application or NOI submittal.

2. Any person authorized by this permit may request to be excluded from coverage under this permit by applying for an individual State or State/NPDES discharge permit or requesting coverage under another general permit. The Department may grant this request by issuing an individual State or a State/NPDES discharge permit or by granting coverage under another general permit, if the reasons cited by the owner or operator are adequate to support the request.

3. When an individual State or State/NPDES discharge permit is issued to a person for discharges otherwise subject to this permit, the applicability of this permit to the permittee is automatically terminated on the effective date of the individual State or State/NPDES discharge permit.

4. If there is evidence indicating potential or realized impacts on water quality due to any activity covered by this permit, the owner or operator of such discharge may be required to obtain an individual State or a State/NPDES discharge permit or coverage under another general permit.

5. If a person otherwise covered under this permit is denied coverage under an individual State or a State/NPDES discharge permit, the denial automatically terminates, on the date of the denial, the person's coverage under this general permit, unless otherwise specified by the Department.

6. The Department may terminate coverage under this general permit for an existing permittee if the Department finds that:

- a. The NOI contained false or inaccurate information;
- b. Conditions or requirements of the discharge permit have been or are about to be violated;
- c. Substantial deviation from plans, specifications, or requirements has occurred;
- d. The Department has been refused entry to the premises for the purpose of inspecting to insure compliance with the conditions of the discharge permit;
- e. A change in conditions exists that requires temporary or permanent reduction or elimination of the permitted discharge;
- f. Any State or federal water quality stream standard or effluent standard has been or is likely to be violated; or



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g. Any other good cause exists for terminating coverage under this permit.

F. Authorization. To be authorized to discharge under this general permit, a person is required to submit an NOI in accordance with the requirements of Part III of this permit, be notified of its acceptance by the Department, pay the required fee, and comply with the terms and conditions of this permit. Coverage under this permit is effective on the date that the NOI is acknowledged by the Department, provided the NOI fee has been paid to the Department in accordance with the terms stipulated in Part III below.

If the NOI fee is paid by a check which does not clear for any reason, the person will be given 30 calendar days to make proper payment including any interest and other charges that are due. If payment is not made within this time, coverage under this permit shall be considered void from the outset. The permittee should save the cancelled check, a copy of the completed NOI, and the registration letter from the Department. These documents shall be provided to the Department upon request.

## G. Transfer of Authorization.

1. The authorization under this permit is not transferable to any person except in accordance with this section.

2. Authorization to discharge under this permit may be transferred to another person if:

a. The current permittee notifies the Department (Industrial Discharge Permits Division with copy sent to Inspection and Compliance Program) in writing of the proposed transfer;

b. A written agreement, indicating the specific date of the proposed transfer of permit coverage and acknowledging the responsibilities of the current and new permittee for compliance with the terms and conditions of this permit, is submitted to the Department;

c. The new permittee either confirms in writing that the type of discharge, number of outfalls, and other information given on the original NOI remain correct or updates this information;

d. The new permittee confirms in writing that either they will follow the existing storm water pollution prevention plan or that they have developed a new plan; and

e. Neither the current permittee nor the new permittee receives notification from the Department, within 30 days of receipt of items I.G.2.a through d above, of intent to terminate coverage under this permit.

3. The Department may continue coverage for the new permittee under this permit or may require the new permittee to apply for and obtain an individual State or State/NPDES discharge permit or obtain coverage under another general permit.

4. A new owner of a facility is responsible for any fees unpaid by the former owner.

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H. Continuation of an Expired General Permit. Authorization to discharge under the terms of an expired general permit continues in full force and effect until a new general permit is issued, and for the next 60 days after issuance provided the permittee submits a new NOI and fee within that period, or until the general permit is revoked or withdrawn.

## Part II. Definitions.

A. "Best management practices (BMP)" means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of this State. BMP also include treatment requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw materials storage.

B. "CFR" means Code of Federal Regulations.

C. "COMAR," means Code of Maryland Regulations.

D. "Department" means the Maryland Department of the Environment. Unless stated otherwise, all submissions to the Department shall be directed to the attention of the Wastewater Permits Program.

E. "Federal Clean Water Act" means the federal Water Pollution Control Act Amendments of 1972, its amendments and all rules and regulations adopted thereunder.

F. "General permit" means a discharge permit issued for a class of dischargers.

G. "Ground water" means underground water in a zone of saturation.

H. "Includes" or "including" means includes or including by way of illustration and not by way of limitation.

I. "NPDES permit" means a National Pollutant Discharge Elimination System permit issued under the federal Clean Water Act.

J. "NOI" means Notice of Intent to be covered by this permit (see Part III of this permit).

K. "Operator" means that person or those persons with responsibility for the management and performance of each facility.

L. "Permittee" means the person holding a permit issued by the Department.

M. "Person" means an individual, receiver, trustee, guardian, personal representative, fiduciary, or representative of any kind, and any partnership, firm, association, corporation, or other entity. Person includes the federal government, this State, any county, Municipal Corporation, or other political subdivision of this State or any of their units.

N. "Section 313 water priority chemical" means a chemical or chemical categories which: 1) are listed at 40 CFR 372.65 pursuant to Section 313 of Title III of the Superfund Amendments

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and Reauthorization Act (SARA) of 1986, also titled the Emergency Planning and Community Right-to-Know Act of 1986; 2) are present at or above threshold levels at a facility subject to SARA Title III, Section 313 reporting requirements; and 3) that meet at least one of the following criteria: (i) are listed in Appendix D of 40 CFR 122 on either Table II (organic priority pollutants), Table III (certain metals, cyanides, and phenols) or Table V (certain toxic pollutants and hazardous substances); (ii) are listed as a hazardous substance pursuant to Section 311(b)(2)(A) of the Clean Water Act at 40 CFR 116.4; or (iii) are pollutants for which EPA has published acute or chronic water quality criteria.

O. "Significant materials" includes, but is not limited to: raw materials; fuels; materials such as solvents, detergents, and plastic pellets; finished materials, such as metallic products; raw materials used in food processing or production; hazardous substances designated under Section 101(14) of CERCLA; any chemical the facility is required to report pursuant to Section 313 of Title III of SARA; fertilizers; pesticides; and waste products, such as ashes, slag and sludge that have the potential to be released with storm water discharges.

P. "Significant spills" includes, but is not limited to, releases of oil or hazardous substances in excess of reportable quantities under Section 311 of the Clean Water Act (40 CFR 110.10 and 40 CFR 117.21) or Section 102 of CERCLA (40 CFR 302.4).

Q. "State discharge permit" means a discharge permit issued pursuant to the Environment Article, Title 9, Subtitle 3, Annotated Code of Maryland.

R. "Storm water associated with industrial activity" means storm water as defined in 40 CFR 122.26(b)(14).

S. "Surface waters," means all waters of this State that are not ground waters.

T. "Wastewater" means any:

1. Liquid waste substance derived from industrial, commercial, municipal, residential, agricultural, recreational, or other operations or establishments; and

2. Other liquid waste substance containing liquid, gaseous or solid matter and having characteristics that will pollute any waters of this State.

U. "Waters of this State" includes:

1. Both surface and underground waters within the boundaries of this State subject to its jurisdiction, including that part of the Atlantic Ocean within the boundaries of this State, the Chesapeake Bay and its tributaries, and all ponds, lakes, rivers, streams, tidal and nontidal wetlands, public ditches, tax ditches, and public drainage systems within this State, other than those designed and used to collect, convey, or dispose of sanitary sewage; and

2. The flood plain of free-flowing waters determined by the Department of the Environment on the basis of the 100-year flood frequency.

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## PART III. Notice of Intent Requirements.

A. Deadlines for Notification. At least 30 days prior to the commencement of any new storm water discharge covered under this general permit, a person shall request coverage by submitting an NOI in accordance with the requirements of this Part. Any person who is covered under 97-SW shall submit a new NOI and fee within 60 days of issuance of this permit to continue coverage. The Department may bring an enforcement action for failure to submit an NOI in a timely manner, or for any unauthorized discharges that occurred prior to obtaining coverage under this permit.

B. Notice of Intent. A person shall obtain the appropriate NOI form from the Department, and shall provide the following information:

1. County, name and address (location) of the facility;
2. Name and telephone number of the facility contact;
3. Written description of industrial activity taking place;
4. One four-digit SIC code that best represents the principal products or activities provided by the facility;
5. The latitude and longitude of the approximate center of the facility to the nearest 15 seconds or three decimal places;
6. The name of the receiving water(s), or if the discharge is to a municipal separate storm sewer, the name of the municipal operator of the storm sewer and the ultimate receiving water(s);
7. Permit number of any other NPDES permit issued for the facility;
8. Area of industrial activity at facility in acres;
9. Status of owner/operator (private, Federal, etc.);
10. Federal tax ID number;
11. Name and mailing address of applicant (company that owns and/or operates the permitted facility);
12. Name and telephone number of operator contact;
13. A summary of all existing quantitative data, if any, describing the concentration of pollutants in storm water discharges;
14. Workers compensation insurer and policy or binder number; or a Certificate of Compliance from the Workers' Compensation Commission;
15. Signature of applicant.

If a person operates multiple facilities, an NOI is required for each noncontiguous site.

## C. Discharge Permit Fee

Persons who intend to obtain coverage under this general permit shall submit to the Department a fee of \$550 with the NOI. Local and state governments are not required to pay a fee.

As an alternative to a single fee, a person may submit five annual \$120 payments beginning with the submission of the NOI application and every July 1 thereafter.

The discharge fee for new facilities that have commenced operating after permit issuance shall be prorated on a monthly basis.

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## D. Required Signatures.

1. Certification. Any person signing an NOI shall make the following certification as part of the NOI.

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

2. Signatories. The NOI shall be signed as follows:

a. For a corporation: by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means:

(i) A president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation; or

(ii) The manager of one or more manufacturing, production, or operating facilities, provided, the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

b. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or

c. For a municipal, State, federal, or other public agency: by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a federal agency includes:

(i) The chief executive officer of the agency; or

(ii) A senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrators of EPA).



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## 3. Report Submission.

a. All reports required by permits, and other information requested by the Department shall be signed by a person described in Part III, Section E.2 or by a duly authorized representative of that person. A person is a duly authorized representative only if:

(i) The authorization is made in writing by a person described in Part III, Section E.2;

(ii) The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility or an individual or position having overall responsibility for environmental matters for the company; and

(iii) The written authorization is submitted to the Department.

b. If an authorization under this subsection is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of Part III, Section E.3(a) must be submitted to the Department prior to or together with any reports, information or applications to be signed by the new authorized representative.

E. Where to Submit. A person shall submit a signed copy of the NOI and the required fee, made payable to the Maryland Department of the Environment, to the following address:

Maryland Department of the Environment  
P.O. Box 2057  
Baltimore MD 21203-2057

F. Failure to Notify. Persons who discharge storm water associated with industrial activity, who fail to notify the Department of their intent to be covered under this permit, and who discharge to waters of this State without an individual State or State/NPDES discharge permit, are in violation of the federal Clean Water Act and the Environment Article, Annotated Code of Maryland, and may be subject to penalties.

## G. Additional Notification.

Facilities which discharge storm water associated with industrial activity to the municipal separate storm sewer system of Anne Arundel County, Baltimore (City), Baltimore County, Carroll County, Charles County, Frederick County, Harford County, Howard County, Montgomery County, Prince George's County, or the State Highways Administration shall, in addition to filing copies of the NOI in accordance with condition III.B., submit, concurrently, signed copies of the NOI to the operator of the municipal separate storm sewer to which they discharge (see NOI form for addresses). Facilities discharging to the separate storm sewer system of certain smaller municipalities and other administrative units will also be required to notify the operator. The Department will provide further information, if applicable, after receipt of the NOI.

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H. Permit Expiration and Renewal. Within 60 days after the reissuance of this general permit with new effective and expiration dates, the permittee is required to submit to the Department either:

1. A notice that the discharge or industrial activity (including the exposure of residual pollutants from concluded industrial activity) has ceased; or
2. A new NOI and any fee in accordance with the requirements of the reissued general permit in order to be covered under the reissued general permit.

I. Additional Reporting Requirements. In the event that the Department identifies certain pollutants causing impairment of the receiving waters, the permittee may be required to amend the NOI by submission of storm water sampling data for the subject pollutants. The Department will provide further information, if applicable, after receipt of the NOI.

## Part IV. Special Conditions.

### A. Releases In Excess Of Reportable Quantities

1. The discharge of hazardous substances or oil in the storm water discharge(s) from a facility shall be prevented or minimized in accordance with the applicable storm water pollution prevention plan for the facility. This permit does not relieve the permittee of the reporting requirements of 40 CFR part 117 and 40 CFR part 302. Except as provided in Part IV, Section A.2 (multiple anticipated discharges) of this permit, where a release containing a hazardous substance in an amount equal to or in excess of a reporting quantity established under either 40 CFR 117 or 40 CFR 302, occurs during a 24-hour period:

a. The discharger is required to notify the Department of any oil spill or discharge of oil by calling its Emergency Response Division at (410) 974-3551 and notify the National Response Center (NRC) at (800) 424-8802 or, in the Washington, DC metropolitan area, at (202) 426-2675 in accordance with the requirements of COMAR 26.10.01.03, 40 CFR 117 and 40 CFR 302 respectively as soon as he or she has knowledge of the discharge;

b. The permittee shall submit to the Department within 10 working days of knowledge of the release a written description of: the release (including the type and estimate of the amount of material released), the date that such release occurred, the circumstances leading to the release, and steps to be taken in accordance with Part IV, Section A.1.c (below) of this permit, and any other information as required by COMAR 26.10.01.03; and

c. The storm water pollution prevention plan required under Part IV, Section B (storm water pollution prevention plans) of this permit must be modified within 14 calendar days of knowledge of the release to: provide a description of the release, the circumstances leading to the release, and the date of the release. In addition, the plan must be reviewed to identify measures to prevent the reoccurrence of such releases and to respond to such releases, and the plan must be modified where appropriate.

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2. Facilities which have more than one anticipated discharge per year containing the same hazardous substance in an amount equal to or in excess of a reportable quantity established under either 40 CFR 117 or 40 CFR 302, which occurs during a 24-hour period, where the discharge is caused by events occurring within the scope of the relevant operating system shall comply with Part IV, sections A.1.a, b, and c above, but must submit notifications only for the first such release that occurs during a calendar year (or for the first year of this permit, after submittal of an NOI).

3. This permit does not authorize the discharge of hazardous substances or oil resulting from an on-site spill.

## B. Storm Water Pollution Prevention Plans - General

The permittee shall have and implement a storm water pollution prevention plan for each facility covered by this permit. The storm water pollution prevention plan shall be prepared in accordance with sound engineering practices. The plan shall identify potential sources of pollution which may reasonably be expected to affect the quality of storm water discharges associated with industrial activity from the facility.

In addition, the plan shall describe and ensure the implementation of practices which are to be used to reduce the pollutants in storm water discharges associated with industrial activity at the facility and to assure compliance with the terms and conditions of this permit.

1. In developing this plan, the permittee may use as a reference "Storm Water Management for Industrial Activities: Developing Pollution Prevention Plans and Best Management Practices" (EPA Document #EPA832-R-92-006) or the "Summary Guidance" (EPA Document #EPA833-R-92-002). These documents can be obtained from the EPA Clearinghouse (phone: 1-800-490-9198) or the National Technical Information Service, 5285 Port Royal Road, Springfield, Virginia 22161 (phone: 703-605-6000).

2. The plan shall be signed in accordance with Part III, Section D.2 of this permit, and be retained on site in accordance with Part VI, Section A.2 of this permit. In the case of new facilities, the plan shall be completed and implemented prior to submitting an NOI to be covered under this permit. The permittee shall make plans available upon request to the Department, and in the case of a storm water discharge associated with industrial activity which discharges to a municipal separate storm sewer system with an NPDES permit, to the municipal operator of the system (those systems are listed in Part III. Section G, addresses are on NOI).

3. If the plan is reviewed by the Department, the Department will notify the permittee, at any time, that the plan does not meet one or more of the minimum requirements of this Part. After such notification from the Department, the permittee shall make changes to the plan to meet the objections of the Department and shall submit to the Department a written certification that the requested changes have been made and implemented. Unless otherwise provided by the Department, the permittee shall have 90 days after such notification to make the necessary changes.

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4. The permittee shall amend the plan whenever there is a change in design, construction, operation, or maintenance which creates a potential for the discharge of pollutants to the waters of the State or if the storm water pollution prevention plan proves to be ineffective in achieving the general objectives of controlling pollutants in storm water discharges associated with industrial activity. Amendments to the plan may be reviewed by the Department as described above.

## C. Storm Water Pollution Prevention Plan - Contents

The plan shall include, at a minimum, the following items:

1. Each plan shall provide a description of potential sources which may be reasonably expected to add pollutants to storm water discharges. Each plan shall identify all activities and materials which may potentially be significant pollutant sources. Each plan shall include:

a. A site map indicating an outline of the drainage area of each storm water outfall; each existing structural control measure to reduce pollutants in storm water runoff; and surface water bodies, including drainage ditches and wetlands.

b. A topographic map (or other map, if a topographic map is unavailable), extending one-quarter of a mile beyond the property boundaries of the facility. The requirements of this condition may be included in the site map required under Part IV, Section C.1.a. above, if appropriate.

c. A narrative description of significant materials that have been treated, stored, or disposed in a manner which allowed exposure to storm water at any time from three years prior to obtaining coverage under this permit until the time the present method of on-site storage or disposal was initiated; materials management practices employed to minimize contact of these materials with storm water runoff; materials loading and access areas; the location and a description of existing structural and non-structural control measures to reduce pollutants in storm water runoff; and a description of any treatment the storm water receives.

d. For each area of the facility that generates storm water discharges associated with industrial activity with a reasonable potential for containing pollutants, a prediction of the direction of flow, and an estimate of the types of pollutants which are likely to be present in storm water discharges associated with industrial activity; and

e. A summary of all existing sampling data describing pollutants in storm water discharges.

2. Each facility covered by this permit shall develop a description of storm water management controls appropriate for the facility, and implement such controls. The appropriateness and priorities of controls in a plan shall reflect identified potential sources of pollutants at the facility. The description of storm water management controls shall address the following minimum components, including a schedule for implementing such controls:

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- a. A preventive maintenance program that involves timely inspection and maintenance of storm water management devices (cleaning oil/water separators, catch basins) as well as inspecting and testing plant equipment and systems to uncover conditions that could cause breakdowns or failures resulting in discharges of pollutants to surface waters.
  - b. Good housekeeping that requires the maintenance of a clean, orderly facility.
  - c. Spill prevention and response procedures shall be identified in the plan and made known to the appropriate personnel. The necessary equipment to implement a cleanup shall be available to the appropriate personnel.
  - d. The plan shall prevent sediment and erosion by identifying areas that, due to topography, activities, or other factors, have a high potential for significant soil erosion, and identifying measures to limit erosion.
  - e. The plan shall contain a narrative consideration of the appropriateness of traditional storm water management practices (practices other than those which control the generation or source(s) of pollutants) used to divert, infiltrate, reuse, or otherwise manage storm water runoff in a manner that reduces pollutants in storm water discharges from the site. The plan shall provide that measures determined to be reasonable and appropriate shall be implemented and maintained. The potential of various sources at the facility to contribute pollutants to storm water discharges associated with industrial activity (see Part IV, Section C.1. - description of potential pollutant sources) shall be considered when determining reasonable and appropriate measures. Appropriate measures may include: vegetative swales and practices, reuse of collected storm water (such as for a process or as an irrigation source), inlet controls (such as oil/water separators), snow management activities, infiltration devices, and wet detention/retention devices.
  - f. Qualified plant personnel shall be identified to visually inspect designated equipment and plant areas. A site inspection shall be conducted annually by such personnel to verify that the description of potential pollutant sources required under Part IV, Section C.1. is accurate, the drainage map has been updated to reflect current conditions, and the controls to reduce pollutants identified in the storm water pollution prevention plan are being implemented and are adequate. In particular, material-handling areas shall be inspected for evidence of, or the potential for, pollutants entering the drainage system. A tracking or follow-up procedure shall be used to ensure that each inspection results in an appropriate response.
  - g. Spills or other discharge incidents, and information describing the quality and quantity of storm water discharges shall be in the facility records. Maintenance activities shall be documented and recorded with inspection and discharge records. All records shall be maintained at the facility, for a minimum of three years. This period shall be automatically extended during the course of litigation, or when requested by the Department.
3. Storm water management programs may include requirements for Spill Prevention Control and Countermeasure (SPCC) plans under Section 311 of the Clean Water Act or Best Management Practices (BMPs) programs otherwise required by any NPDES permit and may incorporate any part of such plans into the storm water pollution prevention plan by reference.



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4. Special Requirements for Storm Water Discharges Associated with Industrial Activity to Municipal Separate Storm Sewer Systems: Facilities covered by this permit shall comply with applicable requirements in municipal storm water management programs developed under State/NPDES permits issued for the discharge of the municipal separate storm sewer system that receives the facility's discharge, provided the municipal operator has notified the discharger of such conditions. These facilities shall make storm water pollution prevention plans available to the municipal operator of the system upon request.
5. Storage piles of salt used for deicing or other commercial or industrial purposes shall be enclosed or covered to prevent exposure to precipitation.
6. The description of the storm water Pollution Prevention Committee shall identify specific individuals within the plant organization who are responsible for developing the storm water pollution prevention plan and assisting the plant manager in its implementation, maintenance, and revision. The activities and responsibilities of the committee should address all aspects of the facility's storm water pollution prevention plan.
7. Employee training programs shall inform personnel at all levels of responsibility of the components and goals of the storm water pollution prevention plan. Training should address topics, such as spill response, good housekeeping and material management practices. A pollution prevention plan shall identify periodic dates for such training.

## D. Storm Water Pollution Prevention Plan - Additional Requirements For Facilities Subject To SARA Title III, Section 313 Requirements

Storm water pollution prevention plans for facilities subject to reporting requirements under SARA Title III, Section 313 (42 U.S.C.11023) are required to include, in addition to the information listed in Part IV, Section C., a discussion of the facility's conformance with the following (appropriate) guidelines:

1. In areas where Section 313 water priority chemicals are stored, processed or otherwise handled, appropriate containment, drainage control and/or diversionary structures shall be provided. At a minimum, one of the following preventive systems or its equivalent shall be used:
  - a. Curbing, culverts, gutters, sewers or other forms of drainage control to prevent or minimize the potential for storm water runoff to come into contact with significant sources of pollutants; or
  - b. Roofs, covers, liners, or other forms of appropriate protection to prevent storage piles from leaching or exposure to storm water and wind.
2. The storm water pollution prevention plan shall include a complete discussion of measures taken to conform to the following applicable guidelines, other effective storm water pollution prevention procedures, and applicable State rules, regulations and guidelines.

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a. No tank or container shall be used for the storage of a Section 313 water priority chemical unless its material and construction are compatible with the material stored and conditions of storage, such as pressure and temperature, etc. Liquid storage areas for Section 313 water priority chemicals shall be operated to prevent discharges of Section 313 chemicals by means such as secondary containment for at least the entire contents of the largest single tank plus sufficient freeboard to allow for precipitation, a strong spill contingency and integrity testing plan, and/or other equivalent measures.

b. Truck and rail car loading and unloading areas for liquid Section 313 water priority chemicals shall be operated to prevent discharges of Section 313 water priority chemicals by means such as the placement and maintenance of drip pans (including the proper disposal of materials collected in the drip pans) where spillage may occur (such as hose connections, hose reels and filler nozzles) for use when making and breaking hose connections; a strong spill contingency and integrity testing plan; and/or other equivalent measures.

c. In plant areas where Section 313 water priority chemicals are transferred, processed or otherwise handled, piping, processing equipment and materials handling equipment shall be designed and operated so as to prevent discharges of Section 313 chemicals, and be composed of materials that are compatible with the substances handled. Additional protection, such as covers or guards to prevent wind blowing, spraying or releases from pressure relief vents from causing a discharge of Section 313 water priority chemicals to the drainage system shall be provided, as appropriate, to control the releases.

d. Discharges from secondary containment areas.

(1) Drainage from secondary containment shall be restrained by valves or other positive means to prevent a spill or other excessive leakage of Section 313 water priority chemicals into the drainage system. After a visual inspection of the storm water and determination that no product is present, pumps or ejectors may empty containment areas; however, these shall be manually activated.

(2) Flapper-type drain valves shall not be used to drain containment areas. Valves used for the drainage of containment areas shall be of manual, open-and-close design.

(3) Records of the frequency and estimated volume (in gallons) of discharges from containment areas shall be kept at the facility for a minimum of three years.

(4) In lieu of facility drainage engineered as described above, the final discharge of all in-facility storm sewers shall be equipped with a diversion system that could, in the event of an uncontrolled spill of Section 313 water priority chemicals, return the spilled material to the facility.

(5) Areas of the facility [those not addressed in paragraphs (a), (b), (c) or (d)], from which runoff which may contain Section 313 water priority chemicals or spills of Section 313 water priority chemicals and which could cause a discharge shall incorporate the necessary drainage or other control features to prevent discharge of spilled or improperly disposed material and ensure the mitigation of pollutants in runoff or leachate.

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3. Facilities shall have the necessary security systems to prevent accidental or intentional entry that could cause a discharge or disrupt treatment. Security systems shall be described in the plan and address fencing, lighting, vehicular traffic control, and securing of equipment and buildings.

4. The storm water pollution prevention plan shall assess the potential of various sources at the plant to contribute pollutants to storm water discharges associated with industrial activity. The plan shall include an inventory of the types of materials handled. Facilities shall include in the plan a description of releases to land or water of SARA Title III water priority chemicals that have occurred at any time after July 1, 1989. Each of the following shall be evaluated for the reasonable potential for contributing pollutants to runoff: loading and unloading operations; outdoor storage activities; outdoor manufacturing or processing activities; significant dust or particulate generating processes; and on-site waste disposal practices. Factors to consider include the toxicity of chemicals; quantity of chemicals used, produced, or discharged; the likelihood of contact with storm water; and history of significant leaks or spills of toxic or hazardous pollutants.

### V. Violation of Permit Conditions.

A. Compliance With This General Permit and Water Pollution Abatement Statutes. The permittee shall comply at all times with the terms and conditions of this permit, the provisions of the Title 7, Subtitle 2, Title 9, Subtitles 2 and 3 of the Environment Article, Annotated Code of Maryland, and the Federal Act.

B. Civil and Criminal Liability. In issuing or reissuing this permit, the Department does not waive or surrender any right to proceed in an administrative, civil, or criminal action for any violations of State law or regulations occurring before the issuance or reissuance of this permit. Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any civil or criminal responsibilities, liabilities, or penalties for noncompliance with Title 9 of the Environment Article, Annotated Code of Maryland or any federal, local or other state law or regulation.

C. Civil Penalties for Violations of Permit Conditions. In addition to civil penalties for violations of State water pollution control laws set forth in Section 9-342 of the Environment Article, Annotated Code of Maryland, the Federal Act provides that any person who violates Section 301, 302, 306, 307, 308, 318, or 405 of the Act, or any permit condition or limitation implementing any of such sections in a permit issued under Section 402 of the Act or in a permit issued under Section 404 of the Act, is subject to a civil penalty not to exceed \$27,500 per day for each violation.

D. Criminal Penalties for Violations of Permit Conditions. In addition to criminal penalties for violations of State water pollution control laws set forth in Section 9-343 of the Environment Article, Annotated Code of Maryland, the Federal Act provides that:

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1. Any person who negligently violates Section 301, 302, 306, 307, 308, 318, or 405 of the Act, or any permit condition or limitation implementing any of such sections in a permit issued under Section 402 of the Act, or in a permit issued under Section 404 of the Act, is subject to a fine of not less than \$2,500 nor more than \$25,000 per day of violation, or by imprisonment for not more than one (1) year, or by both.
2. Any person who knowingly violates Section 301, 302, 306, 307, 308, 318, or 405 of the Act, or any permit condition or limitation implementing any of such sections in a permit issued under Section 402 of the Act, or in a permit issued under Section 404 of the Act, is subject to a fine of not less than \$5,000 nor more than \$50,000 per day of violation, or by imprisonment for not more than three (3) years, or by both.
3. Any person who knowingly violates Section 301, 302, 306, 307, 308, 318, or 405 of the Act, or any permit condition or limitation implementing any of such sections in a permit issued under Section 402 of the Act, or in a permit issued under Section 404 of the Act, and who knows at that time that he thereby places another person in imminent danger of death or serious bodily injury, is subject to a fine of not more than \$250,000 or imprisonment of not more than fifteen (15) years, or both. A person that is a corporation, shall, upon conviction, be subject to a penalty of not more than \$1,000,000.

E. Penalties for Falsification and Tampering. The Environment Article, §9-343, Annotated Code of Maryland provides that any person who knowingly makes any false material statement, representation, or certification in any application, record, report, plan, or other document filed or required to be maintained under this permit, including monitoring reports or reports of compliance or noncompliance, or who knowingly falsifies, tampers with or renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than \$10,000 per violation, or by imprisonment for not more than 6 months per violation, or by both. The federal Clean Water Act provides that any person who knowingly falsifies, tampers with, or renders inaccurate any monitoring device or method required to be maintained under the Act, or who knowingly makes any false statement, representation, or certification in any records or other documents submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or noncompliance shall, upon conviction, be punished by a fine of not more than \$10,000, or by imprisonment for not more than two years, or by both.

## Part VI. General Conditions.

A. Right of Entry. The permittee shall permit the Secretary of the Department, the Regional Administrator for the EPA, or their authorized representatives, upon the presentation of credentials:

1. To enter upon the permittee's premises where an effluent source is located or where any records are required to be kept under the terms and conditions of this permit;
2. To access and copy, at reasonable times, any records required to be kept under the terms and conditions of this permit;

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3. To inspect, at reasonable times, any monitoring equipment or monitoring method required in this permit;
4. To inspect, at reasonable times, any collection, treatment, pollution management, or discharge facilities required under this permit;
5. To sample, at reasonable times, any discharge of pollutants;
6. To install ground water monitoring wells; and
7. To take photographs.

B. **Property Rights/Compliance with Other Requirements.** The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor does it authorize any infringement of federal, State or local laws or regulations.

C. **Duty to Provide Information.** The permittee shall furnish to the Department, within the time frame stipulated by the Department, any information that the Department may request to determine compliance with this permit. The permittee shall also furnish to the Department, upon request, copies of records required to be kept by this permit.

D. **Other Information.** If the permittee becomes aware that incorrect information has been included in the NOI or any other report submitted to the Department, or relevant facts have been omitted from the NOI or any other report to the Department, the permittee shall submit the correct information or facts to the Department with 30 calendar days of becoming aware.

E. **Availability of Reports.** Except for data determined to be confidential under the Maryland Public Information Act, and Section 308 of the federal Clean Water Act, all submitted data shall be available for public inspection at the Department.

F. **Toxic Pollutants.** The permittee shall comply with effluent standards or prohibitions for toxic pollutants established under the federal Clean Water Act, or under Section 9-314 and Sections 9-322 through 9-328 of the Environment Article, Annotated Code of Maryland. Compliance shall be achieved within the time provided in the regulations that establish these standards or prohibitions, even if this permit has not yet been modified to incorporate the requirement.

G. **Oil and Hazardous Substances Prohibited.** Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibility, liability, or penalties to which the permittee may be subject under the federal Clean Water Act or under the Annotated Code of Maryland.

H. **Water Construction and Obstruction.** This permit does not authorize the construction or placing of physical structures, facilities, or debris or the undertaking of related activities in any waters of the State.



I. Severability. The provisions of this permit are severable. If any provisions of this permit shall be held invalid for any reason, the remaining provisions shall remain in full force and effect. If the application of any provision of this permit to any circumstances is held invalid, its application to other circumstances shall not be affected.

## Part VII. Authority to Issue General NPDES Permits.

On September 5, 1974, the Administrator of the EPA approved the proposal submitted by the State of Maryland for the operation of a permit program for discharges into navigable waters under Section 402 of the federal Clean Water Act, 33 U.S.C. Section 1342.

On September 30, 1990, the Administrator of the EPA approved the proposal submitted by the State of Maryland for the operation of a general permit program.

Under the approvals described above, this general discharge permit is both a State of Maryland general discharge permit and an NPDES general discharge permit.

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Robert M.  
Summers, Director  
Water Management Administration

***ATTACHMENT D – Routine Facility Inspection Reports &  
Record Keeping Section***

Copies of all forms and record keeping documents must be submitted to Jessica Seipp with WMS by December 31<sup>st</sup> of each year. She can be reached at 301.600.1350 or [jseipp@frederickcountymd.gov](mailto:jseipp@frederickcountymd.gov).

Stormwater Industrial Facility Quarterly/Routine Inspection Report

**SECTION A: GENERAL INFORMATION**

**Facility Name:** Ballenger-McKinney Wastewater Treatment Plant

**NPDES Permit Number:** MDE Permit 02SW1878

**Facility Address:** 7400 Marcie's Choice Lane, Frederick, MD 21704

**Date of Inspection:**

**Start/End Time of Inspection:**

**Inspector's Name(s) and Contact Information:**

**Facility Representative(s) in Attendance and Contact Information:**

**Weather Information:** Weather at time of inspection? [CIRCLE ALL THAT APPLY]

Clear

Cloudy

Rain

Sleet

Fog

Snow

High Winds

Other:

Stormwater Industrial Facility Quarterly/Routine Inspection Report

**SECTION B: INSPECTION OF BMPs AND AREAS OF INDUSTRIAL ACTIVITIES**

**SITE MAP #1**

GREASE STATION – BUILDING #11		Additional Comments/Notes
(1) Is there evidence of spills/leaks (i.e. staining or absorbent materials on the ground)?	YES NO (If NO, skip to #2)	
(a) Was the source of the spill identified?	YES NO	
(b) Was the source of the spill eliminated?	YES NO	
(c) Was a spill form completed?	YES NO	
(d) Was the spill reported?	YES NO	
(e) Was the spill cleaned up properly?	YES NO	
- If NO is circled for any of the questions (a-e) above, provide an explanation of why		
(2) Are spill kits available for use?	YES NO	
(a) If YES, do the spill kits need to be restocked?	YES NO	
(3) In general, is the loading/unloading pad clean and free of debris?	YES NO	

SEPTIC RECEIVING STATION – BUILDING #25		Additional Comments/Notes
(1) Is there evidence of spills/leaks (i.e. staining or absorbent materials on the ground)?	YES NO (If NO, skip to #2)	
(a) Was the source of the spill identified?	YES NO	
(b) Was the source of the spill eliminated?	YES NO	
(c) Was a spill form completed?	YES NO	
(d) Was the spill reported?	YES NO	
(e) Was the spill cleaned up properly?	YES NO	

### Stormwater Industrial Facility Quarterly/Routine Inspection Report

- If <b>NO</b> is circled for any of the questions (a-e) above, provide an explanation of why		
(2) In general, is the loading/unloading pad clean and free of debris?	YES      NO	

SLUDGE PAD – BUILDING #20		Additional Comments/Notes
(1) Is there evidence of spills/leaks outside of or adjacent to the pad (i.e. staining or absorbent materials on the ground)?	YES      NO (If <b>NO</b> , skip to #2)	
(a) Was the source of the spill identified?	YES      NO	
(b) Was the source of the spill eliminated	YES      NO	
(c) Was a spill form completed?	YES      NO	
(d) Was the spill reported?	YES      NO	
(e) Was the spill cleaned up properly?	YES      NO	
- If <b>NO</b> is circled for any of the questions (a-e) above, provide an explanation of why		
(2) Are spill kits available for use?	YES      NO	
(a) If <b>YES</b> , do the spill kits need to be restocked?	YES      NO	
(3) Is there evidence that sludge is being transported off of the pad?	YES      NO	
(4) Are any materials, drums, or containers exposed to precipitation?	YES      NO	
(a) If <b>YES</b> , are they sealed and labeled properly?	YES      NO	
(5) Are all materials organized and stored in an orderly fashion?	YES      NO	
(6) Has all waste been disposed of properly?	YES      NO	



### Stormwater Industrial Facility Quarterly/Routine Inspection Report

SLUDGE BUILDING – BUILDING #19			Additional Comments/Notes
(1) Are any materials, drums, or containers exposed to precipitation?	YES	NO	
(b) If YES, are they sealed and labeled properly?	YES	NO	
(2) Are all materials organized and stored in an orderly fashion?	YES	NO	
(3) Has all waste been disposed of properly?	YES	NO	

SODIUM HYPOCHLORITE TANK			Additional Comments/Notes
(1) Is there evidence of spills/leaks (i.e. staining or absorbent materials on the ground)?	YES	NO (If NO, skip to #2)	
(a) Was the source of the spill identified?	YES	NO	
(b) Was the source of the spill eliminated	YES	NO	
(c) Was a spill form completed?	YES	NO	
(d) Was the spill reported?	YES	NO	
(e) Was the spill cleaned up properly?	YES	NO	
- If NO is circled for any of the questions (a-e) above, provide an explanation of why			
(2) Are spill kits available for use?	YES	NO	
(a) If YES, do the spill kits need to be restocked?	YES	NO	

METHANOL STORAGE – BUILDING #4			Additional Comments/Notes
(1) Is there evidence of spills/leaks (i.e. staining or absorbent materials on the ground)?	YES	NO (If NO, skip to next section)	
(a) Was the source of the spill identified?	YES	NO	
(b) Was the source of the spill eliminated?	YES	NO	
(c) Was a spill form completed?	YES	NO	
(d) Was the spill reported?	YES	NO	

### Stormwater Industrial Facility Quarterly/Routine Inspection Report

(e) Was the spill cleaned up properly?	YES	NO	
- If <b>NO</b> is circled for any of the questions (a-e) above, provide an explanation of why			

FERRIC CHLORIDE STORAGE – BUILDING #8			Additional Comments/Notes
(1) Is there evidence of spills/leaks (i.e. staining or absorbent materials on the ground)?	YES	NO (If <b>NO</b> , skip to next section)	
(a) Was the source of the spill identified?	YES	NO	
(b) Was the source of the spill eliminated	YES	NO	
(c) Was a spill form completed?	YES	NO	
(d) Was the spill reported?	YES	NO	
(e) Was the spill cleaned up properly?	YES	NO	
- If <b>NO</b> is circled for any of the questions (a-e) above, provide an explanation of why			

PAVED AREAS			Additional Comments/Notes
(1) Is there evidence of spills/leaks (i.e. staining or absorbent materials on the ground)?	YES	NO (If <b>NO</b> , skip to next section)	
(a) Was the source of the spill identified?	YES	NO	
(b) Was the source of the spill eliminated	YES	NO	
(c) Was a spill form completed?	YES	NO	

### Stormwater Industrial Facility Quarterly/Routine Inspection Report

(d) Was the spill reported?	YES	NO	
(e) Was the spill cleaned up properly?	YES	NO	
- If <b>NO</b> is circled for any of the questions (a-e) above, provide an explanation of why			

TRANSFORMERS/GENERATORS			Additional Comments/Notes
(1) Is there evidence of spills/leaks (i.e. staining or absorbent materials on the ground)?	YES	NO (If <b>NO</b> , skip to #2)	
(a) Was the source of the spill identified?	YES	NO	
(b) Was the source of the spill eliminated	YES	NO	
(c) Was a spill form completed?	YES	NO	
(d) Was the spill reported?	YES	NO	
(e) Was the spill cleaned up properly?	YES	NO	
- If <b>NO</b> is circled for any of the questions (a-e) above, provide an explanation of why			
(2) Are spill kits available for use?	YES	NO	
(a) If <b>YES</b> , do the spill kits need to be restocked?	YES	NO	

### SITE MAP #2

STORMWATER POND #1			Additional Comments/Notes
(1) Does the pond appear to be functioning properly?	YES	NO	
(2) Is there an excessive amount of litter in the pond?	YES	NO	

### Stormwater Industrial Facility Quarterly/Routine Inspection Report

(3) Does there appear to be a significant amount of sediment accumulated in the pond?	YES	NO	
(4) If the pond has water, is there an excessive amount of algae present?	YES	NO	
(5) Does the inlet(s) have dry weather flow <sup>1</sup> ?	YES	NO	
(6) If the pond has water, is there an odor?	YES	NO	
(7) If the pond has water, is the water discolored?	YES	NO	
(8) Is there evidence of erosion present on the banks of the pond?	YES	NO	
(9) Is there any other condition that appears to be abnormal?	YES	NO	
(a) If YES is circled for any of the questions (2-9) above, provide a description of the condition, corrective action necessary and photo (if possible).			

<sup>1</sup>Dry weather flow = presence of flowing water when it has not rained within the last 48 hours.

DRAINAGE SWALE			Additional Comments/Notes
(1) Does the drainage swale appear to be functioning properly?	YES	NO	
(2) Is there an excessive amount of litter in the drainage swale?	YES	NO	
(3) Does there appear to be a significant amount of sediment accumulated in the drainage swale?	YES	NO	
(4) If the drainage swale has water, is there an excessive amount of algae present?	YES	NO	
(5) Does the outlet from the drainage swale have dry weather flow <sup>1</sup> ?	YES	NO	
(6) If the drainage swales have water, is there an odor?	YES	NO	
(7) If the drainage swales have water, is the water discolored?	YES	NO	
(8) Is there evidence of erosion along the drainage swales?	YES	NO	
(9) Is there any other condition that appears to be abnormal?	YES	NO	
(a) If YES is circled for any of the questions (2-9) above, provide a description of the condition, corrective action necessary and photo (if possible).			

### Stormwater Industrial Facility Quarterly/Routine Inspection Report

<sup>1</sup> Dry weather flow = presence of flowing water when it has not rained within the last 48 hours.	

GRIT FACILITY – BUILDING #30			Additional Comments/Notes
(1) Is there evidence of spills/leaks on the dumpster conveyor pad (i.e. staining or absorbent materials on the ground)?	YES	NO	
	(If NO, skip to #2)		
(a) Was the source of the spill identified?	YES	NO	
(b) Was the source of the spill eliminated	YES	NO	
(c) Was a spill form completed?	YES	NO	
(d) Was the spill reported?	YES	NO	
(e) Was the spill cleaned up properly?	YES	NO	
- If NO is circled for any of the questions (a-e) above, provide an explanation of why			
(2) Are spill kits available for use?	YES	NO	
(a) If YES, do the spill kits need to be restocked?	YES	NO	
(3) Is there evidence of spills/leaks at the liquid polymer connection? [FOR FUTURE USE]	YES	NO	
(a) Was the source of the spill identified?	YES	NO	
(b) Was the source of the spill eliminated	YES	NO	
(c) Was a spill form completed?	YES	NO	
(d) Was the spill reported?	YES	NO	
(e) Was the spill cleaned up properly?	YES	NO	
(4) Is there evidence of spills/leaks at the ferric chloride tank?	YES	NO	
(a) Was the source of the spill identified?	YES	NO	
(b) Was the source of the spill eliminated	YES	NO	

### Stormwater Industrial Facility Quarterly/Routine Inspection Report

(c) Was a spill form completed?	YES	NO
(d) Was the spill reported?	YES	NO
(e) Was the spill cleaned up properly?	YES	NO

INFLUENT PUMPING STATION – BUILDING #29			Additional Comments/Notes
(1) Is there evidence of spills/leaks on the dumpster conveyor pad (i.e. staining or absorbent materials on the ground)?	YES	NO	
	(If NO, skip to #2)		
(a) Was the source of the spill identified?	YES	NO	
(b) Was the source of the spill eliminated	YES	NO	
(c) Was a spill form completed?	YES	NO	
(d) Was the spill reported?	YES	NO	
(e) Was the spill cleaned up properly?	YES	NO	
- If NO is circled for any of the questions (a-e) above, provide an explanation of why			
(2) Are spill kits available for use?	YES	NO	
(a) If YES, do the spill kits need to be restocked?	YES	NO	

FINE SCREENING FACILITY – BUILDING #34		Additional Comments/Notes
(1) Are any materials, drums, or containers exposed to precipitation?	YES NO	
(a) If YES, are they sealed and labeled properly?	YES NO	
(2) Are all materials organized and stored in an orderly fashion?	YES NO	
(3) Has all waste been disposed of properly?	YES NO	

PAVED AREAS		Additional Comments/Notes
(1) Is there evidence of spills/leaks (i.e. staining or absorbent materials on the ground)?	YES NO (If NO, skip to next section)	
(a) Was the source of the spill identified?	YES NO	



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(b) Was the source of the spill eliminated	YES	NO	
(c) Was a spill form completed?	YES	NO	
(d) Was the spill reported?	YES	NO	
(e) Was the spill cleaned up properly?	YES	NO	
- If <b>NO</b> is circled for any of the questions (a-e) above, provide an explanation of why			

### SITE MAP #3

DRAINAGE SWALES			Additional Comments/Notes
(1) Do the drainage swales appear to be functioning properly?	YES	NO	
(2) Is there an excessive amount of litter in the drainage swales?	YES	NO	
(3) Does there appear to be a significant amount of sediment accumulated in the drainage swales?	YES	NO	
(4) If the drainage swales have water, is there an excessive amount of algae present?	YES	NO	
(5) Does the outlet from the drainage swales have dry weather flow <sup>1</sup> ?	YES	NO	
(6) If the drainage swales have water, is there an odor?	YES	NO	
(7) If the drainage swales have water, is the water discolored?	YES	NO	
(8) Is there evidence of erosion along the drainage swales?	YES	NO	
(9) Is there any other condition that appears to be abnormal?	YES	NO	
(a) If <b>YES</b> is circled for any of the questions (2-9) above, provide a description of the condition, corrective action necessary and photo (if possible).			

### Stormwater Industrial Facility Quarterly/Routine Inspection Report

<sup>1</sup>Dry weather flow = presence of flowing water when it has not rained within the last 48 hours.

INFILTRATION BASIN			Additional Comments/Notes
(1) Does the infiltration basin appear to be functioning properly?	YES	NO	
(2) Is there an excessive amount of litter in the infiltration basin?	YES	NO	
(3) Does there appear to be a significant amount of sediment accumulated in the infiltration basin?	YES	NO	
(4) If the infiltration basin has water, is there an excessive amount of algae present?	YES	NO	
(5) Does the inlet(s) have dry weather flow <sup>1</sup> ?	YES	NO	
(6) If water is present, is there an odor?	YES	NO	
(7) If water is present, is the water discolored?	YES	NO	
(8) Is there evidence of erosion within the infiltration basin?	YES	NO	
(9) Is there any other condition that appears to be abnormal?	YES	NO	
(a) If YES is circled for any of the questions (2-9) above, provide a description of the condition, corrective action necessary and photo (if possible).			

<sup>1</sup>Dry weather flow = presence of flowing water when it has not rained within the last 48 hours.

### SECTION C: GENERAL INSPECTION FINDINGS

		Additional Comments/Notes
(1) As part of this comprehensive site inspection, did you inspect all potential pollutant sources, including areas where industrial activity may be exposed to stormwater?	YES NO	
(a) If NO, describe why not		

### Stormwater Industrial Facility Quarterly/Routine Inspection Report

(2) Did this inspection identify any stormwater or non-stormwater outfalls not previously identified in the SWPPP?		YES      NO	Additional Comments/Notes
(a) If YES, for each location, describe the sources of those stormwater and non-stormwater discharges and any associated control measures in place			
(3) Did this inspection identify any sources of stormwater or non-stormwater discharges not previously identified in the SWPPP?		YES      NO	Additional Comments/Notes
(a) If YES, describe the sources of stormwater or non-stormwater pollutants expected to be present in these discharges, and any control measures in place			
(4) Did you review stormwater monitoring data as part of this inspection to identify potential pollutant hotspots?		YES      NO      N/A	Additional Comments/Notes
(a) If YES, summarize the findings of that review and describe any additional inspection activities resulting from this review			
(5) Describe any evidence of pollutants entering the drainage system or discharging to surface waters, and the condition of and around outfalls, including flow dissipation measures to prevent scouring			Additional Comments/Notes

**Stormwater Industrial Facility Quarterly/Routine Inspection Report**

(6) Have you taken or do you plan to take any corrective action, as specified in the permit, since your last annual report submission (or since you received authorization to discharge under this permit if this is your first annual report), including any correcting actions identified as a result of this annual comprehensive site inspection?	<div>YES</div> <div>NO</div>	<b>Additional Comments/Notes</b>
(a) If <b>YES</b> , how many corrective actions?		

## Quarterly Stormwater Industrial Facility Inspection Report

General Information			
Facility Name	Ballenger-McKinney Wastewater Treatment Plant		
NPDES Tracking No.	MDE Permit 02SW1878		
Date of Inspection	Tuesday, October 23, 2012	Start/End Time	1:30 pm/2:20 pm
Inspector's Name(s)	Mehal Trivedi		
Inspector's Title(s)	Engineer		
Inspector's Contact Information	(301) 600 3043; <a href="mailto:mtrivedi@frederickcountymd.gov">mtrivedi@frederickcountymd.gov</a>		
Weather Information			
Weather at time of this inspection? <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Cloudy <input type="checkbox"/> Rain <input type="checkbox"/> Sleet <input type="checkbox"/> Fog <input type="checkbox"/> Snow <input type="checkbox"/> High Winds <input type="checkbox"/> Other: _____ Temperature: 69°F			
Have any previously unidentified discharges of pollutants occurred since the last inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: This is the 1 <sup>st</sup> inspection. It's an active construction site.			
Are there any discharges occurring at the time of inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe:			

### Control Measures

- The structural stormwater control measures identified in your SWPPP on your site map are listed below. Carry a copy of the numbered site map with you during your inspections. This list will ensure that you are inspecting all required control measures at your facility.
- Describe corrective actions initiated, date completed, and note the person that completed the work in the Corrective Action Log.

	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (identify needed maintenance and repairs, or any failed control measures that need replacement)
1	Stormwater Pond #1 (Site Map 3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
2	Drainage Swale (Site Map 3)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
3	Stormwater Pond #2 (Site Map 2)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	Temp stabilization may be necessary as some sedimentation in/around pond.
4	Drainage Swale (Site Map 2)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
5	Outfall 001 (Site Map 1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
6	Temporary Stormwater Control Device (Site Map 1)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	

**Areas of Industrial Materials or Activities exposed to stormwater**

*Below is a list of areas that should be assessed during the facility's routine inspections.*

	Area/Activity	Response	Controls Adequate (appropriate, effective, and operating)?	Corrective Action Needed and Notes
<b>GREASE STATION (Site Map 1, Bldg #11)</b>				
<b>1a</b>	<b>Spills and Leaks:</b>			
	Is there evidence of spills/leaks (i.e. staining on ground, absorbent materials)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Storm drain near here and next point are covered up with construction dust. Need street sweeper to expose grates.
	Have any spills/leaks been recorded for this area since the last inspection? If so, were they addressed and reported properly?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Remaining storm drains are covered with filter fabric and gravel stone for protection.
	Are spill kits available and filled for use?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<b>SEPTIC RECEIVING STATION (Site Map 1, Bldg #25)</b>				
<b>2a</b>	<b>Spills and Leaks:</b>			
	Is there evidence of spills/leaks (i.e. staining on ground, absorbent materials)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
	Have any spills/leaks been recorded for this area since the last inspection? If so, were they addressed and reported properly?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
	Are spill kits available and filled for use?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<b>2b</b>	<b>Minimize Exposure:</b>			
	Are any materials, drums, containers exposed to precipitation? If so, are they sealed and labeled properly?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<b>2c</b>	<b>Good Housekeeping:</b>			
	Has all waste been disposed of properly?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<b>SLUDGE PAD (Site Map 1, Bldg #20)</b>				
<b>3a</b>	<b>Spills and Leaks:</b>			
	Is there evidence of spills/leaks outside of or adjacent to the pad (i.e. staining on ground, absorbent materials)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	



	Area/Activity	Response	Controls Adequate (appropriate, effective, and operating)?	Corrective Action Needed and Notes
	Is there evidence of sludge being transported off of pad?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
	Have any spills/leaks been recorded for this area since the last inspection? If so, were they addressed and reported properly?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
	Are spill kits available and filled for use?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<b>3b</b>	<b>Minimize Exposure:</b>			
	Are any materials, drums, containers exposed to precipitation? If so, are they sealed and labeled properly?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<b>3c</b>	<b>Good Housekeeping:</b>			
	Are all materials organized and stored in an orderly fashion?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
	Are all containers properly sealed and labeled?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
	Has all waste been disposed of properly?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<b>PAVED AREAS</b>				
<b>5a</b>	<b>Spills and Leaks:</b>			
	Is there evidence of spills/leaks (i.e. staining on ground, absorbent materials)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
	Have any spills/leaks been recorded for this area since the last inspection? If so, were they addressed and reported properly?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
	Are spill kits available and filled for use?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<b>5b</b>	<b>Minimize Exposure:</b>			
	Are any materials, drums, containers exposed to precipitation? If so, are they sealed and labeled properly?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<b>5c</b>	<b>Good Housekeeping:</b>			
	Has all waste been disposed of properly?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

	Area/Activity	Response	Controls Adequate (appropriate, effective, and operating)?	Corrective Action Needed and Notes
<b>SODIUM HYPOCHLORITE TANK</b>				
<b>6a</b>	<b>Spills and Leaks:</b>			
	Is there evidence of spills/leaks (i.e. staining on ground, absorbent materials)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
	Have any spills/leaks been recorded for this area since the last inspection? If so, were they addressed and reported properly?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
	Are spill kits available and filled for use?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

**Non-Compliance**

Describe any incidents of non-compliance observed and not described above:

**Additional Control Measures**

Describe any additional control measures needed to comply with the permit requirements:

### Notes

Use this space for any additional notes or observations from the inspection:

This is the 1<sup>st</sup> inspection. It's an active construction site. Could use street sweeper to control dust accumulation on storm drains. Need to know up stream source of a storm drain day-lighting inside effluent wet well outfall #001.

### CERTIFICATION STATEMENT

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print name and title: MEHAL TRIVEDI

Signature: Mehal M. Trivedi

Date: Tuesday, October 23, 2012

Stormwater Industrial Facility Quarterly/Routine Inspection Report

**SECTION A: GENERAL INFORMATION**

**Facility Name:** Ballenger-McKinney Wastewater Treatment Plant

**NPDES Permit Number:** MDE Permit 02SW1878

**Facility Address:** 7400 Marcie's Choice Lane, Frederick, MD 21704

**Date of Inspection:** March 29, 2013

**Start/End Time of Inspection:** 1:07 pm ~ 2:10 pm

**Inspector's Name(s) and Contact Information:** Mehal Trivedi, & Mark Schweitzer, DRC

**Facility Representative(s) in Attendance and Contact Information:**

**Weather Information:** Weather at time of inspection? [CIRCLE ALL THAT APPLY]

☒ Clear

☐ Cloudy

☐ Rain

☐ Sleet

☐ Fog

☐ Snow

☐ High Winds

☐ Other:

## **SECTION B: INSPECTION OF BMPs AND AREAS OF INDUSTRIAL ACTIVITIES**

### **SITE MAP #1**

<b>GREASE STATION – BUILDING #11</b>			<b>Additional Comments/Notes</b>
(1) Is there evidence of spills/leaks (i.e. staining or absorbent materials on the ground)?	YES	<b>NO</b> (If <b>NO</b> , skip to #2)	Put spill-kit here
(a) Was the source of the spill identified?	YES	NO	
(b) Was the source of the spill eliminated?	YES	NO	
(c) Was a spill form completed?	YES	NO	
(d) Was the spill reported?	YES	NO	
(e) Was the spill cleaned up properly?	YES	NO	
- If <b>NO</b> is circled for any of the questions (a-e) above, provide an explanation of why			
(2) Are spill kits available for use?	YES	<b>NO</b>	
(a) If <b>YES</b> , do the spill kits need to be restocked?	YES	NO	
(3) In general, is the loading/unloading pad clean and free of debris?	<b>YES</b>	NO	

<b>SEPTIC RECEIVING STATION – BUILDING #25</b>			<b>Additional Comments/Notes</b>
(1) Is there evidence of spills/leaks (i.e. staining or absorbent materials on the ground)?	YES	<b>NO</b> (If <b>NO</b> , skip to #2)	Minor Hyd./Motor Oil
(a) Was the source of the spill identified?	YES	NO	
(b) Was the source of the spill eliminated	YES	NO	
(c) Was a spill form completed?	YES	NO	
(d) Was the spill reported?	YES	NO	
(e) Was the spill cleaned up properly?	YES	NO	



## Stormwater Industrial Facility Quarterly/Routine Inspection Report

- If <b>NO</b> is circled for any of the questions (a-e) above, provide an explanation of why		
(2) In general, is the loading/unloading pad clean and free of debris?	<b>YES</b>	NO

SLUDGE PAD – BUILDING #20			Additional Comments/Notes
(1) Is there evidence of spills/leaks outside of or adjacent to the pad (i.e. staining or absorbent materials on the ground)?	YES	NO	Generally, dusty as active construction zone.
(a) Was the source of the spill identified?	YES	NO	
(b) Was the source of the spill eliminated	YES	NO	
(c) Was a spill form completed?	YES	NO	
(d) Was the spill reported?	YES	NO	
(e) Was the spill cleaned up properly?	YES	NO	
- If NO is circled for any of the questions (a-e) above, provide an explanation of why			
(2) Are spill kits available for use?	YES	NO	
(a) If YES, do the spill kits need to be restocked?	YES	NO	
(3) Is there evidence that sludge is being transported off of the pad?	YES	NO	
(4) Are any materials, drums, or containers exposed to precipitation?	YES	NO	
(a) If YES, are they sealed and labeled properly?	YES	NO	
(5) Are all materials organized and stored in an orderly fashion?	YES	NO	
(6) Has all waste been disposed of properly?	YES	NO	

### Stormwater Industrial Facility Quarterly/Routine Inspection Report

SLUDGE BUILDING – BUILDING #19			Additional Comments/Notes
(1) Are any materials, drums, or containers exposed to precipitation?	<u>YES</u>	NO	Remove empty drums (4+1)
(b) If <b>YES</b> , are they sealed and labeled properly?	<u>YES</u>	NO	
(2) Are all materials organized and stored in an orderly fashion?	<u>YES</u>	NO	
(3) Has all waste been disposed of properly?	<u>YES</u>	NO	

SODIUM HYPOCHLORITE TANK			Additional Comments/Notes
(1) Is there evidence of spills/leaks (i.e. staining or absorbent materials on the ground)?	YES	NO	Removed
	(If <b>NO</b> , skip to #2)		
(a) Was the source of the spill identified?	YES	NO	
(b) Was the source of the spill eliminated	YES	NO	
(c) Was a spill form completed?	YES	NO	
(d) Was the spill reported?	YES	NO	
(e) Was the spill cleaned up properly?	YES	NO	
- If <b>NO</b> is circled for any of the questions (a-e) above, provide an explanation of why			
(2) Are spill kits available for use?	YES	NO	
(a) If <b>YES</b> , do the spill kits need to be restocked?	YES	NO	

METHANOL STORAGE – BUILDING #4			Additional Comments/Notes
(1) Is there evidence of spills/leaks (i.e. staining or absorbent materials on the ground)?	YES	<u>NO</u>	
	(If <b>NO</b> , skip to next section)		
(a) Was the source of the spill identified?	YES	NO	
(b) Was the source of the spill eliminated	YES	NO	
(c) Was a spill form completed?	YES	NO	
(d) Was the spill reported?	YES	NO	

### Stormwater Industrial Facility Quarterly/Routine Inspection Report

(e) Was the spill cleaned up properly?	YES	NO	
- If <b>NO</b> is circled for any of the questions (a-e) above, provide an explanation of why			

FERRIC CHLORIDE STORAGE – BUILDING #8			Additional Comments/Notes
(1) Is there evidence of spills/leaks (i.e. staining or absorbent materials on the ground)?	YES	NO	Minor spill. An extension of concrete curb will contain it.
	(If NO, skip to next section)		
(a) Was the source of the spill identified?	YES	NO	
(b) Was the source of the spill eliminated	YES	NO	
(c) Was a spill form completed?	YES	NO	
(d) Was the spill reported?	YES	NO	
(e) Was the spill cleaned up properly?	YES	NO	
- If NO is circled for any of the questions (a-e) above, provide an explanation of why			

PAVED AREAS			Additional Comments/Notes
(1) Is there evidence of spills/leaks (i.e. staining or absorbent materials on the ground)?	YES	<b>NO</b> (If <b>NO</b> , skip to next section)	Paving covered with dust as an active construction site.
(a) Was the source of the spill identified?	YES	NO	
(b) Was the source of the spill eliminated	YES	NO	
(c) Was a spill form completed?	YES	NO	

### Stormwater Industrial Facility Quarterly/Routine Inspection Report

(d) Was the spill reported?	YES	NO	
(e) Was the spill cleaned up properly?	YES	NO	
- If <b>NO</b> is circled for any of the questions (a-e) above, provide an explanation of why			

<b>TRANSFORMERS/<del>GENERATORS</del></b>			Additional Comments/Notes
(1) Is there evidence of spills/leaks (i.e. staining or absorbent materials on the ground)?	YES	<b>NO</b> (If <b>NO</b> , skip to #2)	
(a) Was the source of the spill identified?	YES	NO	
(b) Was the source of the spill eliminated	YES	NO	
(c) Was a spill form completed?	YES	NO	
(d) Was the spill reported?	YES	NO	
(e) Was the spill cleaned up properly?	YES	NO	
- If <b>NO</b> is circled for any of the questions (a-e) above, provide an explanation of why			
(2) Are spill kits available for use?	<b>YES</b>	NO	
(a) If <b>YES</b> , do the spill kits need to be restocked?	YES	NO	

## **SITE MAP #2**

<b>STORMWATER POND #1</b>			Additional Comments/Notes
(1) Does the pond appear to be functioning properly?	<b>YES</b>	NO	
(2) Is there an excessive amount of litter in the pond?	YES	<b>NO</b>	

### Stormwater Industrial Facility Quarterly/Routine Inspection Report

(3) Does there appear to be a significant amount of sediment accumulated in the pond?	YES	NO	
(4) If the pond has water, is there an excessive amount of algae present?	YES	NO	
(5) Does the inlet(s) have dry weather flow <sup>1</sup> ?	YES	NO	
(6) If the pond has water, is there an odor?	YES	NO	
(7) If the pond has water, is the water discolored?	YES	NO	
(8) Is there evidence of erosion present on the banks of the pond?	YES	NO	
(9) Is there any other condition that appears to be abnormal?	YES	NO	
(a) If <b>YES</b> is circled for any of the questions (2-9) above, provide a description of the condition, corrective action necessary and photo (if possible).			

<sup>1</sup>Dry weather flow = presence of flowing water when it has not rained within the last 48 hours.

DRAINAGE SWALE			Additional Comments/Notes
(1) Does the drainage swale appear to be functioning properly?	YES	NO	Road gravel separating along the swale due to erosion.
(2) Is there an excessive amount of litter in the drainage swale?	YES	NO	
(3) Does there appear to be a significant amount of sediment accumulated in the drainage swale?	YES	NO	
(4) If the drainage swale has water, is there an excessive amount of algae present?	YES	NO	
(5) Does the outlet from the drainage swale have dry weather flow <sup>1</sup> ?	YES	NO	
(6) If the drainage swales have water, is there an odor?	YES	NO	
(7) If the drainage swales have water, is the water discolored?	YES	NO	
(8) Is there evidence of erosion along the drainage swales?	YES	NO	
(9) Is there any other condition that appears to be abnormal?	YES	NO	
(a) If <b>YES</b> is circled for any of the questions (2-9) above, provide a description of the condition, corrective action necessary and photo (if possible).			

## Stormwater Industrial Facility Quarterly/Routine Inspection Report

<sup>1</sup> Dry weather flow = presence of flowing water when it has not rained within the last 48 hours.	

<b>GRIT FACILITY – BUILDING #30</b>			<b>Additional Comments/Notes</b>
(1) Is there evidence of spills/leaks on the dumpster conveyor pad (i.e. staining or absorbent materials on the ground)?	YES	<span style="border: 1px solid red; border-radius: 50%; padding: 2px;">NO</span>	Liquid polymer connection Not-in-service
(If <b>NO</b> , skip to #2)			
(a) Was the source of the spill identified?	YES	NO	
(b) Was the source of the spill eliminated	YES	NO	
(c) Was a spill form completed?	YES	NO	
(d) Was the spill reported?	YES	NO	
(e) Was the spill cleaned up properly?	YES	NO	
- If <b>NO</b> is circled for any of the questions (a-e) above, provide an explanation of why			
(2) Are spill kits available for use?	<span style="border: 1px solid red; border-radius: 50%; padding: 2px;">YES</span>	NO	
(a) If <b>YES</b> , do the spill kits need to be restocked?	YES	NO	
(3) Is there evidence of spills/leaks at the liquid polymer connection? [ <b>FOR FUTURE USE</b> ]	YES	NO	
(a) Was the source of the spill identified?	YES	NO	
(b) Was the source of the spill eliminated	YES	NO	
(c) Was a spill form completed?	YES	NO	
(d) Was the spill reported?	YES	NO	
(e) Was the spill cleaned up properly?	YES	NO	
(4) Is there evidence of spills/leaks at the ferric chloride tank?	YES	NO	
(a) Was the source of the spill identified?	YES	NO	
(b) Was the source of the spill eliminated	YES	NO	



### Stormwater Industrial Facility Quarterly/Routine Inspection Report

(c) Was a spill form completed?	YES	NO	
(d) Was the spill reported?	YES	NO	
(e) Was the spill cleaned up properly?	YES	NO	

INFLUENT PUMPING STATION – BUILDING #29			Additional Comments/Notes
(1) Is there evidence of spills/leaks on the dumpster conveyor pad (i.e. staining or absorbent materials on the ground)?	YES	NO (If NO, skip to #2)	
(a) Was the source of the spill identified?	YES	NO	
(b) Was the source of the spill eliminated	YES	NO	
(c) Was a spill form completed?	YES	NO	
(d) Was the spill reported?	YES	NO	
(e) Was the spill cleaned up properly?	YES	NO	
- If NO is circled for any of the questions (a-e) above, provide an explanation of why			
(2) Are spill kits available for use?	YES	NO	
(a) If YES, do the spill kits need to be restocked?	YES	NO	

FINE SCREENING FACILITY – BUILDING #34			Additional Comments/Notes
(1) Are any materials, drums, or containers exposed to precipitation?	YES	<b>NO</b>	
(a) If <b>YES</b> , are they sealed and labeled properly?	YES	NO	
(2) Are all materials organized and stored in an orderly fashion?	<b>YES</b>	NO	
(3) Has all waste been disposed of properly?	<b>YES</b>	NO	

PAVED AREAS			Additional Comments/Notes
(1) Is there evidence of spills/leaks (i.e. staining or absorbent materials on the ground)?	YES	<b>NO</b> (If <b>NO</b> , skip to next section)	In future, clean-up fabric drain covers
(a) Was the source of the spill identified?	YES	NO	

### Stormwater Industrial Facility Quarterly/Routine Inspection Report

(b) Was the source of the spill eliminated	YES	NO	
(c) Was a spill form completed?	YES	NO	
(d) Was the spill reported?	YES	NO	
(e) Was the spill cleaned up properly?	YES	NO	
- If <b>NO</b> is circled for any of the questions (a-e) above, provide an explanation of why			

### SITE MAP #3

DRAINAGE SWALES			Additional Comments/Notes
(1) Do the drainage swales appear to be functioning properly?	<u>YES</u>	NO	Prior note on drums, Drums are gone.
(2) Is there an excessive amount of litter in the drainage swales?	YES	NO	
(3) Does there appear to be a significant amount of sediment accumulated in the drainage swales?	YES	NO	
(4) If the drainage swales have water, is there an excessive amount of algae present?	YES	NO	
(5) Does the outlet from the drainage swales have dry weather flow <sup>1</sup> ?	YES	NO	
(6) If the drainage swales have water, is there an odor?	YES	NO	
(7) If the drainage swales have water, is the water discolored?	YES	NO	
(8) Is there evidence of erosion along the drainage swales?	YES	NO	
(9) Is there any other condition that appears to be abnormal?	YES	NO	
(a) If <b>YES</b> is circled for any of the questions (2-9) above, provide a description of the condition, corrective action necessary and photo (if possible).			

## Stormwater Industrial Facility Quarterly/Routine Inspection Report

<sup>1</sup>Dry weather flow = presence of flowing water when it has not rained within the last 48 hours.

<b>INFILTRATION BASIN</b>			<b>Additional Comments/Notes</b>
(1) Does the infiltration basin appear to be functioning properly?	<u>YES</u>	NO	Pile of exposed road salt adjacent to Basin
(2) Is there an excessive amount of litter in the infiltration basin?	YES	<u>NO</u>	
(3) Does there appear to be a significant amount of sediment accumulated in the infiltration basin?	YES	<u>NO</u>	
(4) If the infiltration basin has water, is there an excessive amount of algae present?	YES	<u>NO</u>	
(5) Does the inlet(s) have dry weather flow <sup>1</sup> ?	YES	<u>NO</u>	
(6) If water is present, is there an odor?	YES	<u>NO</u>	
(7) If water is present, is the water discolored?	YES	<u>NO</u>	
(8) Is there evidence of erosion within the infiltration basin?	YES	<u>NO</u>	
(9) Is there any other condition that appears to be abnormal?	<u>YES</u>	<u>NO</u>	
(a) If <b>YES</b> is circled for any of the questions (2-9) above, provide a description of the condition, corrective action necessary and photo (if possible).			

<sup>1</sup>Dry weather flow = presence of flowing water when it has not rained within the last 48 hours.

### **SECTION C: GENERAL INSPECTION FINDINGS**

(1) As part of this comprehensive site inspection, did you inspect all potential pollutant sources, including areas where industrial activity may be exposed to stormwater?	<u>YES</u>	NO	<b>Additional Comments/Notes</b>
(a) If <b>NO</b> , describe why not			

### Stormwater Industrial Facility Quarterly/Routine Inspection Report

(2) Did this inspection identify any stormwater or non-stormwater outfalls not previously identified in the SWPPP?	YES      NO	<b>Additional Comments/Notes</b>
(a) If <b>YES</b> , for each location, describe the sources of those stormwater and non-stormwater discharges and any associated control measures in place		
(3) Did this inspection identify any sources of stormwater or non-stormwater discharges not previously identified in the SWPPP?	YES      NO	<b>Additional Comments/Notes</b>
(a) If <b>YES</b> , describe the sources of stormwater or non-stormwater pollutants expected to be present in these discharges, and any control measures in place		
(4) Did you review stormwater monitoring data as part of this inspection to identify potential pollutant hotspots?	YES      NO      N/A	<b>Additional Comments/Notes</b>
(a) If <b>YES</b> , summarize the findings of that review and describe any additional inspection activities resulting from this review		
(5) Describe any evidence of pollutants entering the drainage system or discharging to surface waters, and the condition of and around outfalls, including flow dissipation measures to prevent scouring		<b>Additional Comments/Notes</b>

### Stormwater Industrial Facility Quarterly/Routine Inspection Report

(6) Have you taken or do you plan to take any corrective action, as specified in the permit, since your last annual report submission (or since you received authorization to discharge under this permit if this is your first annual report), including any correcting actions identified as a result of this annual comprehensive site inspection?	YES                  NO	<b>Additional Comments/Notes</b>
(a) If <b>YES</b> , how many corrective actions?		

Stormwater Industrial Facility Quarterly/Routine Inspection Report

**SECTION A: GENERAL INFORMATION**

**Facility Name:** Ballenger-McKinney Wastewater Treatment Plant

**NPDES Permit Number:** MDE Permit 02SW1878

**Facility Address:** 7400 Marcie's Choice Lane, Frederick, MD 21704

**Date of Inspection:** June 12, 2013

**Start/End Time of Inspection:** 1pm ~ 2:15pm

**Inspector's Name(s) and Contact Information:** Mehal M. Trivedi, Engineer II

**Facility Representative(s) in Attendance and Contact Information:**

**Weather Information:** Weather at time of inspection? [CIRCLE ALL THAT APPLY]

Clear

Cloudy

Rain

Sleet

Fog

Snow

High Winds

Other: 94 F



**SECTION B: INSPECTION OF BMPs AND AREAS OF INDUSTRIAL ACTIVITIES****SITE MAP #1**

<b>GREASE STATION – BUILDING #11</b>			<b>Additional Comments/Notes</b>
(1) Is there evidence of spills/leaks (i.e. staining or absorbent materials on the ground)?	YES	<del>NO</del> (If <b>NO</b> , skip to #2)	Minor stain on station wall
(a) Was the source of the spill identified?	YES	NO	
(b) Was the source of the spill eliminated?	YES	NO	
(c) Was a spill form completed?	YES	NO	
(d) Was the spill reported?	YES	NO	
(e) Was the spill cleaned up properly?	YES	NO	
- If <b>NO</b> is circled for any of the questions (a-e) above, provide an explanation of why			Put spill-kit here
(2) Are spill kits available for use?	YES	<del>NO</del>	
(a) If <b>YES</b> , do the spill kits need to be restocked?	YES	NO	
(3) In general, is the loading/unloading pad clean and free of debris?	<del>YES</del>	NO	

<b>SEPTIC RECEIVING STATION – BUILDING #25</b>			<b>Additional Comments/Notes</b>
(1) Is there evidence of spills/leaks (i.e. staining or absorbent materials on the ground)?	YES	<del>NO</del> (If <b>NO</b> , skip to #2)	Minor Hyd./Motor Oil stain on station floor
(a) Was the source of the spill identified?	YES	NO	
(b) Was the source of the spill eliminated?	YES	NO	
(c) Was a spill form completed?	YES	NO	
(d) Was the spill reported?	YES	NO	
(e) Was the spill cleaned up properly?	YES	NO	

## Stormwater Industrial Facility Quarterly/Routine Inspection Report

- If <b>NO</b> is circled for any of the questions (a-e) above, provide an explanation of why		
(2) In general, is the loading/unloading pad clean and free of debris?	YES	<b>NO</b>

SLUDGE PAD – BUILDING #20			Additional Comments/Notes
(1) Is there evidence of spills/leaks outside of or adjacent to the pad (i.e. staining or absorbent materials on the ground)?	YES	<b>NO</b>	Generally, dusty as active construction zone.
(If <b>NO</b> , skip to #2)			
(a) Was the source of the spill identified?	YES	NO	
(b) Was the source of the spill eliminated	YES	NO	
(c) Was a spill form completed?	YES	NO	
(d) Was the spill reported?	YES	NO	
(e) Was the spill cleaned up properly?	YES	NO	
- If <b>NO</b> is circled for any of the questions (a-e) above, provide an explanation of why			
(2) Are spill kits available for use?	<b>YES</b>	NO	
(a) If <b>YES</b> , do the spill kits need to be restocked?	YES	NO	
(3) Is there evidence that sludge is being transported off of the pad?	<b>YES</b>	NO	
(4) Are any materials, drums, or containers exposed to precipitation?	YES	<b>NO</b>	
(a) If <b>YES</b> , are they sealed and labeled properly?	YES	NO	
(5) Are all materials organized and stored in an orderly fashion?	<b>YES</b>	NO	
(6) Has all waste been disposed of properly?	<b>YES</b>	NO	

### Stormwater Industrial Facility Quarterly/Routine Inspection Report

SLUDGE BUILDING – BUILDING #19			Additional Comments/Notes
(1) Are any materials, drums, or containers exposed to precipitation?	<del>YES</del>	NO	Remove empty drums (4+1)
(b) If <b>YES</b> , are they sealed and labeled properly?	<del>YES</del>	NO	
(2) Are all materials organized and stored in an orderly fashion?	<del>YES</del>	NO	
(3) Has all waste been disposed of properly?	<del>YES</del>	NO	

SODIUM HYPOCHLORITE TANK			Additional Comments/Notes
(1) Is there evidence of spills/leaks (i.e. staining or absorbent materials on the ground)?	YES	NO	Removed
	(If <b>NO</b> , skip to #2)		
(a) Was the source of the spill identified?	YES	NO	
(b) Was the source of the spill eliminated	YES	NO	
(c) Was a spill form completed?	YES	NO	
(d) Was the spill reported?	YES	NO	
(e) Was the spill cleaned up properly?	YES	NO	
- If <b>NO</b> is circled for any of the questions (a-e) above, provide an explanation of why			
(2) Are spill kits available for use?	YES	NO	
(a) If <b>YES</b> , do the spill kits need to be restocked?	YES	NO	

METHANOL STORAGE – BUILDING #4			Additional Comments/Notes
(1) Is there evidence of spills/leaks (i.e. staining or absorbent materials on the ground)?	YES	<del>NO</del>	
	(If <b>NO</b> , skip to next section)		
(a) Was the source of the spill identified?	YES	NO	
(b) Was the source of the spill eliminated	YES	NO	
(c) Was a spill form completed?	YES	NO	
(d) Was the spill reported?	YES	NO	

### Stormwater Industrial Facility Quarterly/Routine Inspection Report

(e) Was the spill cleaned up properly?	YES	NO	
- If <b>NO</b> is circled for any of the questions (a-e) above, provide an explanation of why			

FERRIC CHLORIDE STORAGE – BUILDING #8			Additional Comments/Notes
(1) Is there evidence of spills/leaks (i.e. staining or absorbent materials on the ground)?	<b>YES</b>	NO (If <b>NO</b> , skip to next section)	Minor spill. An extension of concrete curb will contain it.
(a) Was the source of the spill identified?	YES	NO	
(b) Was the source of the spill eliminated	YES	NO	
(c) Was a spill form completed?	YES	NO	
(d) Was the spill reported?	YES	NO	
(e) Was the spill cleaned up properly?	YES	NO	
- If <b>NO</b> is circled for any of the questions (a-e) above, provide an explanation of why			

PAVED AREAS			Additional Comments/Notes
(1) Is there evidence of spills/leaks (i.e. staining or absorbent materials on the ground)?	YES	<b>NO</b> (If <b>NO</b> , skip to next section)	Paving covered with dust as an active construction site.
(a) Was the source of the spill identified?	YES	NO	
(b) Was the source of the spill eliminated	YES	NO	
(c) Was a spill form completed?	YES	NO	

### Stormwater Industrial Facility Quarterly/Routine Inspection Report

(d) Was the spill reported?	YES	NO	
(e) Was the spill cleaned up properly?	YES	NO	
- If <b>NO</b> is circled for any of the questions (a-e) above, provide an explanation of why			

<b>TRANSFORMERS/<del>GENERATORS</del></b>			Additional Comments/Notes
(1) Is there evidence of spills/leaks (i.e. staining or absorbent materials on the ground)?	YES	<b>NO</b> (If <b>NO</b> , skip to #2)	
(a) Was the source of the spill identified?	YES	NO	
(b) Was the source of the spill eliminated	YES	NO	
(c) Was a spill form completed?	YES	NO	
(d) Was the spill reported?	YES	NO	
(e) Was the spill cleaned up properly?	YES	NO	
- If <b>NO</b> is circled for any of the questions (a-e) above, provide an explanation of why			
(2) Are spill kits available for use?	<b>YES</b>	NO	
(a) If <b>YES</b> , do the spill kits need to be restocked?	YES	NO	

## **SITE MAP #2**

<b>STORMWATER POND #1</b>			Additional Comments/Notes
(1) Does the pond appear to be functioning properly?	<b>YES</b>	NO	
(2) Is there an excessive amount of litter in the pond?	YES	<b>NO</b>	

### Stormwater Industrial Facility Quarterly/Routine Inspection Report

(3) Does there appear to be a significant amount of sediment accumulated in the pond?	YES	NO	Algae present in lower pond - grass/shrubs growth on pond inside slope.  Landscaping contractor currently ,owing other areas.
(4) If the pond has water, is there an excessive amount of algae present?	YES	NO	
(5) Does the inlet(s) have dry weather flow <sup>1</sup> ?	YES	NO	
(6) If the pond has water, is there an odor?	YES	NO	
(7) If the pond has water, is the water discolored?	YES	NO	
(8) Is there evidence of erosion present on the banks of the pond?	YES	NO	
(9) Is there any other condition that appears to be abnormal?	YES	NO	
(a) If <b>YES</b> is circled for any of the questions (2-9) above, provide a description of the condition, corrective action necessary and photo (if possible).  Heavy weekend rain caused ruts & gullies - tire tracks.			

<sup>1</sup>Dry weather flow = presence of flowing water when it has not rained within the last 48 hours.

<b>DRAINAGE SWALE</b>			<b>Additional Comments/Notes</b>
(1) Does the drainage swale appear to be functioning properly?	YES	NO	Road gravel separating along the swale due to erosion.  Stainless steel materials stacked and stored on top of drain swale. Some storage on wooden pallets.
(2) Is there an excessive amount of litter in the drainage swale?	YES	NO	
(3) Does there appear to be a significant amount of sediment accumulated in the drainage swale?	YES	NO	
(4) If the drainage swale has water, is there an excessive amount of algae present?	YES	NO	
(5) Does the outlet from the drainage swale have dry weather flow <sup>1</sup> ?	YES	NO	
(6) If the drainage swales have water, is there an odor?	YES	NO	
(7) If the drainage swales have water, is the water discolored?	YES	NO	
(8) Is there evidence of erosion along the drainage swales?	YES	NO	
(9) Is there any other condition that appears to be abnormal?	YES	NO	
(a) If <b>YES</b> is circled for any of the questions (2-9) above, provide a description of the condition, corrective action necessary and photo (if possible).			

## Stormwater Industrial Facility Quarterly/Routine Inspection Report

<sup>1</sup> Dry weather flow = presence of flowing water when it has not rained within the last 48 hours.	

<b>GRIT FACILITY – BUILDING #30</b>			<b>Additional Comments/Notes</b>
(1) Is there evidence of spills/leaks on the dumpster conveyor pad (i.e. staining or absorbent materials on the ground)?	YES	<b>NO</b> (If <b>NO</b> , skip to #2)	Liquid polymer connection Not-in-service.
(a) Was the source of the spill identified?	YES	NO	
(b) Was the source of the spill eliminated	YES	NO	
(c) Was a spill form completed?	YES	NO	
(d) Was the spill reported?	YES	NO	
(e) Was the spill cleaned up properly?	YES	NO	
- If <b>NO</b> is circled for any of the questions (a-e) above, provide an explanation of why  Sediment residue on paved surface outside the building			
(2) Are spill kits available for use?	<b>YES</b>	NO	
(a) If <b>YES</b> , do the spill kits need to be restocked?	YES	NO	
(3) Is there evidence of spills/leaks at the liquid polymer connection? [ <b>FOR FUTURE USE</b> ]	YES	NO	
(a) Was the source of the spill identified?	YES	NO	
(b) Was the source of the spill eliminated	YES	NO	
(c) Was a spill form completed?	YES	NO	
(d) Was the spill reported?	YES	NO	
(e) Was the spill cleaned up properly?	YES	NO	
(4) Is there evidence of spills/leaks at the ferric chloride tank?	YES	NO	
(a) Was the source of the spill identified?	YES	NO	
(b) Was the source of the spill eliminated	YES	NO	



### Stormwater Industrial Facility Quarterly/Routine Inspection Report

(c) Was a spill form completed?	YES	NO	
(d) Was the spill reported?	YES	NO	
(e) Was the spill cleaned up properly?	YES	NO	

INFLUENT PUMPING STATION – BUILDING #29			Additional Comments/Notes
(1) Is there evidence of spills/leaks on the dumpster conveyor pad (i.e. staining or absorbent materials on the ground)?	YES	<b>NO</b> (If <b>NO</b> , skip to #2)	Sediment residue on paved surface outside the building.
(a) Was the source of the spill identified?	YES	NO	
(b) Was the source of the spill eliminated	YES	NO	
(c) Was a spill form completed?	YES	NO	
(d) Was the spill reported?	YES	NO	
(e) Was the spill cleaned up properly?	YES	NO	
- If <b>NO</b> is circled for any of the questions (a-e) above, provide an explanation of why			
(2) Are spill kits available for use?	<b>YES</b>	NO	
(a) If <b>YES</b> , do the spill kits need to be restocked?	YES	NO	

FINE SCREENING FACILITY – BUILDING #34			Additional Comments/Notes
(1) Are any materials, drums, or containers exposed to precipitation?	YES	<del>NO</del>	
(a) If <b>YES</b> , are they sealed and labeled properly?	YES	NO	
(2) Are all materials organized and stored in an orderly fashion?	<del>YES</del>	NO	
(3) Has all waste been disposed of properly?	<del>YES</del>	NO	

PAVED AREAS			Additional Comments/Notes
(1) Is there evidence of spills/leaks (i.e. staining or absorbent materials on the ground)?	YES	<del>NO</del> (If <b>NO</b> , skip to next section)	In future, clean-up fabric drain covers.
(a) Was the source of the spill identified?	YES	NO	

### Stormwater Industrial Facility Quarterly/Routine Inspection Report

(b) Was the source of the spill eliminated	YES	NO	
(c) Was a spill form completed?	YES	NO	
(d) Was the spill reported?	YES	NO	
(e) Was the spill cleaned up properly?	YES	NO	
- If <b>NO</b> is circled for any of the questions (a-e) above, provide an explanation of why			

### **SITE MAP #3**

<b>DRAINAGE SWALES</b>			<b>Additional Comments/Notes</b>
(1) Do the drainage swales appear to be functioning properly?	<u>YES</u>	NO	This area was just mowed. One shrub on upstream inlet.
(2) Is there an excessive amount of litter in the drainage swales?	YES	NO	
(3) Does there appear to be a significant amount of sediment accumulated in the drainage swales?	YES	NO	
(4) If the drainage swales have water, is there an excessive amount of algae present?	YES	NO	
(5) Does the outlet from the drainage swales have dry weather flow <sup>1</sup> ?	YES	NO	
(6) If the drainage swales have water, is there an odor?	YES	NO	
(7) If the drainage swales have water, is the water discolored?	YES	NO	
(8) Is there evidence of erosion along the drainage swales?	YES	NO	
(9) Is there any other condition that appears to be abnormal?	YES	NO	
(a) If <b>YES</b> is circled for any of the questions (2-9) above, provide a description of the condition, corrective action necessary and photo (if possible).			

## Stormwater Industrial Facility Quarterly/Routine Inspection Report

<sup>1</sup>Dry weather flow = presence of flowing water when it has not rained within the last 48 hours.

<b>INFILTRATION BASIN</b>			<b>Additional Comments/Notes</b>
(1) Does the infiltration basin appear to be functioning properly?	YES	<span style="border: 1px solid red;">NO</span>	Just mowed.
(2) Is there an excessive amount of litter in the infiltration basin?	YES	<span style="border: 1px solid red;">NO</span>	
(3) Does there appear to be a significant amount of sediment accumulated in the infiltration basin?	YES	<span style="border: 1px solid red;">NO</span>	
(4) If the infiltration basin has water, is there an excessive amount of algae present?	YES	<span style="border: 1px solid red;">NO</span>	
(5) Does the inlet(s) have dry weather flow <sup>1</sup> ?	YES	<span style="border: 1px solid red;">NO</span>	
(6) If water is present, is there an odor?	YES	<span style="border: 1px solid red;">NO</span>	
(7) If water is present, is the water discolored?	YES	<span style="border: 1px solid red;">NO</span>	
(8) Is there evidence of erosion within the infiltration basin?	YES	<span style="border: 1px solid red;">NO</span>	
(9) Is there any other condition that appears to be abnormal?	YES	<span style="border: 1px solid red;">NO</span>	
(a) If <b>YES</b> is circled for any of the questions (2-9) above, provide a description of the condition, corrective action necessary and photo (if possible).			

<sup>1</sup>Dry weather flow = presence of flowing water when it has not rained within the last 48 hours.

### **SECTION C: GENERAL INSPECTION FINDINGS**

(1) As part of this comprehensive site inspection, did you inspect all potential pollutant sources, including areas where industrial activity may be exposed to stormwater?	<span style="border: 1px solid red; border-radius: 50%; padding: 2px;">YES</span>	NO	<b>Additional Comments/Notes</b>
(a) If <b>NO</b> , describe why not			

### Stormwater Industrial Facility Quarterly/Routine Inspection Report

(2) Did this inspection identify any stormwater or non-stormwater outfalls not previously identified in the SWPPP?	YES      NO	<b>Additional Comments/Notes</b>
(a) If <b>YES</b> , for each location, describe the sources of those stormwater and non-stormwater discharges and any associated control measures in place		
(3) Did this inspection identify any sources of stormwater or non-stormwater discharges not previously identified in the SWPPP?	YES      NO	<b>Additional Comments/Notes</b>
(a) If <b>YES</b> , describe the sources of stormwater or non-stormwater pollutants expected to be present in these discharges, and any control measures in place		
(4) Did you review stormwater monitoring data as part of this inspection to identify potential pollutant hotspots?	YES      NO      N/A	<b>Additional Comments/Notes</b>
(a) If <b>YES</b> , summarize the findings of that review and describe any additional inspection activities resulting from this review		
(5) Describe any evidence of pollutants entering the drainage system or discharging to surface waters, and the condition of and around outfalls, including flow dissipation measures to prevent scouring		<b>Additional Comments/Notes</b>

### Stormwater Industrial Facility Quarterly/Routine Inspection Report

(6) Have you taken or do you plan to take any corrective action, as specified in the permit, since your last annual report submission (or since you received authorization to discharge under this permit if this is your first annual report), including any correcting actions identified as a result of this annual comprehensive site inspection?	YES	NO
(a) If <b>YES</b> , how many corrective actions?		<b>Additional Comments/Notes</b>

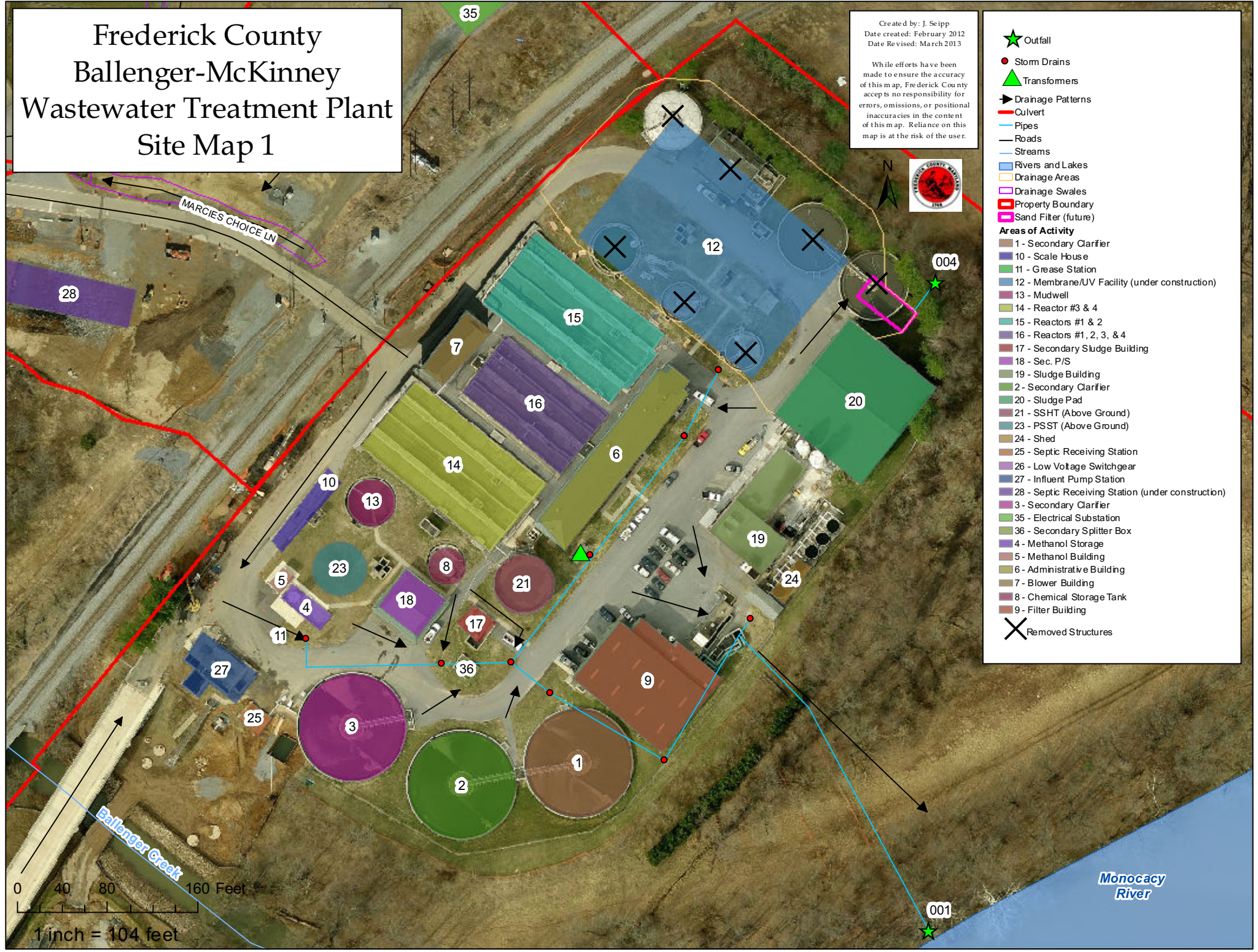


# Frederick County Ballenger-McKinney Wastewater Treatment Plant Site Map 1

Created by: J. Seipp  
Date created: February 2012  
Date Revised: March 2013

While efforts have been made to ensure the accuracy of this map, Frederick County accepts no responsibility for errors, omissions, or positional inaccuracies in the content of this map. Reliance on this map is at the risk of the user.

- ★ Outfall
  - Storm Drains
  - ▲ Transformers
  - Drainage Patterns
  - Culvert
  - Pipes
  - Roads
  - Streams
  - Rivers and Lakes
  - Drainage Areas
  - Drainage Swales
  - Property Boundary
  - Sand Filter (future)
- Areas of Activity**
- 1 - Secondary Clarifier
  - 10 - Scale House
  - 11 - Grease Station
  - 12 - Membrane/UV Facility (under construction)
  - 13 - Mudwell
  - 14 - Reactor #3 & 4
  - 15 - Reactors #1 & 2
  - 16 - Reactors #1, 2, 3, & 4
  - 17 - Secondary Sludge Building
  - 18 - Sec. P/S
  - 19 - Sludge Building
  - 2 - Secondary Clarifier
  - 20 - Sludge Pad
  - 21 - SSHT (Above Ground)
  - 23 - PSST (Above Ground)
  - 24 - Shed
  - 25 - Septic Receiving Station
  - 26 - Low Voltage Switchgear
  - 27 - Influent Pump Station
  - 28 - Septic Receiving Station (under construction)
  - 3 - Secondary Clarifier
  - 35 - Electrical Substation
  - 36 - Secondary Splitter Box
  - 4 - Methanol Storage
  - 5 - Methanol Building
  - 6 - Administrative Building
  - 7 - Blower Building
  - 8 - Chemical Storage Tank
  - 9 - Filter Building
  - ✕ Removed Structures

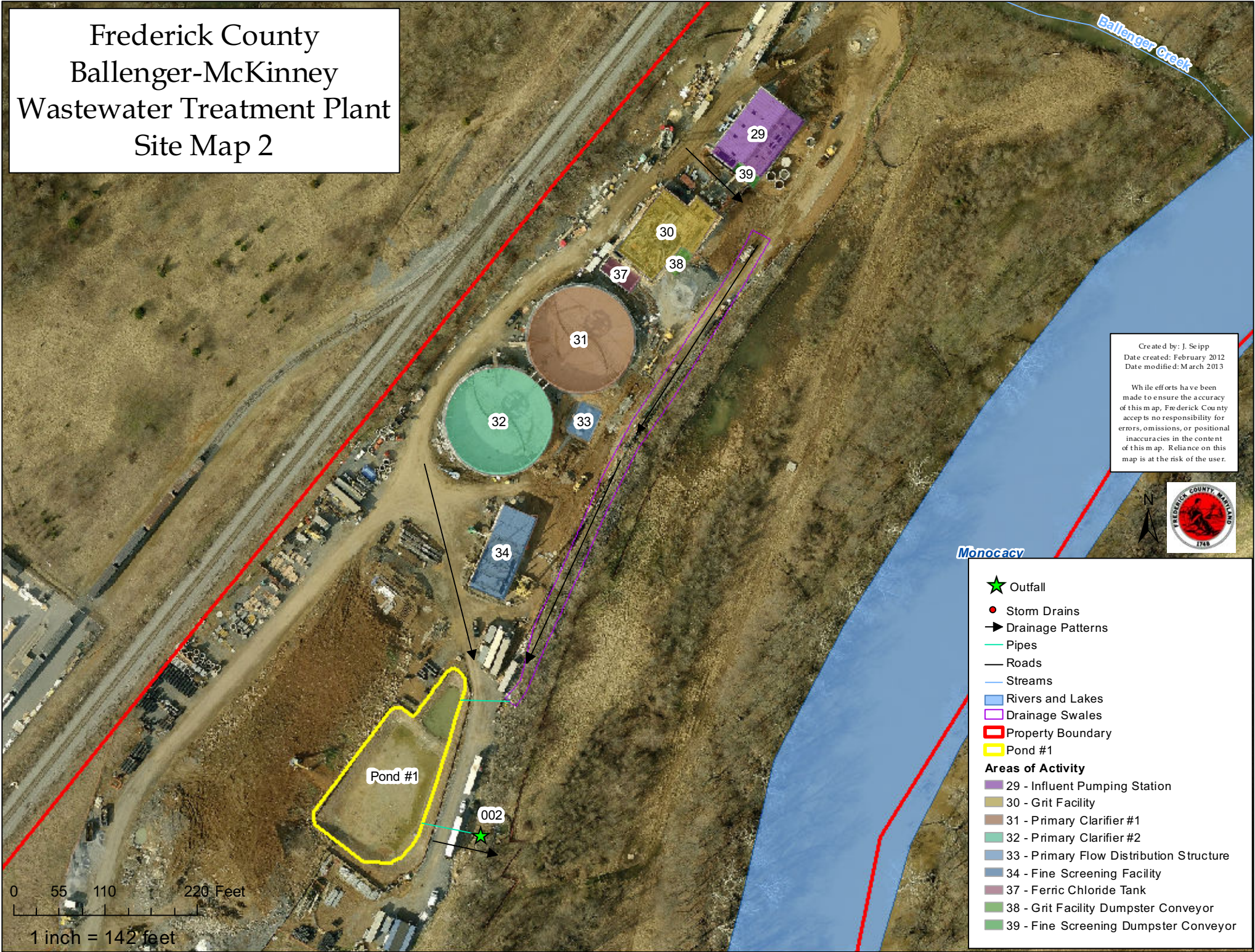


0 40 80 160 Feet  
1 inch = 104 feet

Monocacy River



# Frederick County Ballenger-McKinney Wastewater Treatment Plant Site Map 2

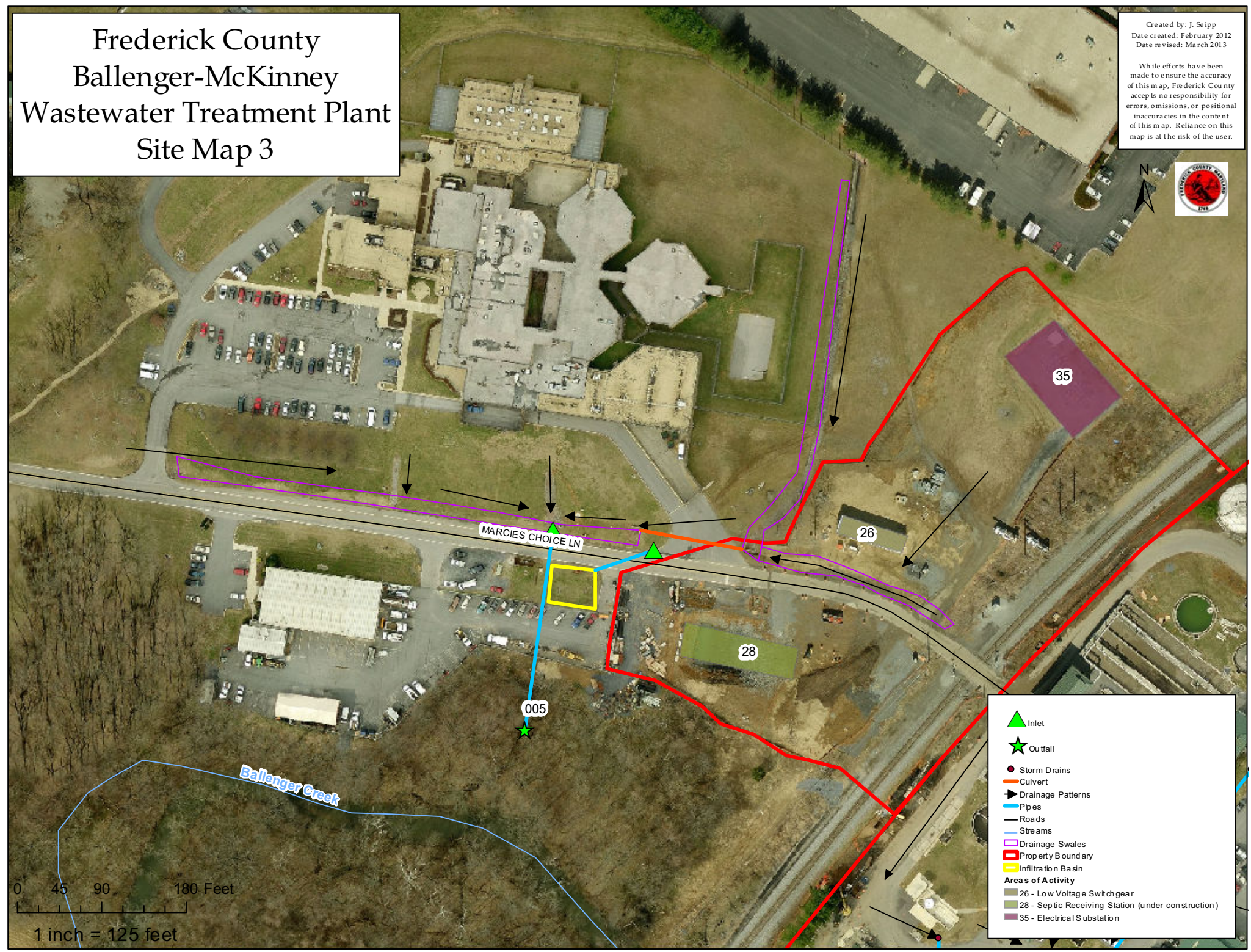




# Frederick County Ballenger-McKinney Wastewater Treatment Plant Site Map 3

Created by: J. Seipp  
Date created: February 2012  
Date revised: March 2013

While efforts have been made to ensure the accuracy of this map, Frederick County accepts no responsibility for errors, omissions, or positional inaccuracies in the content of this map. Reliance on this map is at the risk of the user.







***ATTACHMENT E – Comprehensive Annual  
Inspection Reporting Form & Record Keeping  
Section***

Send a copy of all completed inspection forms to the Division Director.

Completed inspection forms shall be filed in this SWPPP and maintained as long as DUSWM operates the facility.

Copies of all forms and record keeping documents must be submitted to Jessica Seipp with WMS by December 31<sup>st</sup> of each year. She can be reached at 301.600.1350 or [jseipp@frederickcountymd.gov](mailto:jseipp@frederickcountymd.gov).

Stormwater Industrial Facility Annual/Comprehensive Inspection Report

**SECTION A: GENERAL INFORMATION**

**Facility Name:** Ballenger-McKinney Wastewater Treatment Plant

**NPDES Permit Number:** MDE Permit 02SW1878

**Facility Address:** 7400 Marcie's Choice Lane, Frederick, MD 21704

**Date of Inspection:**

**Start/End Time of Inspection:**

**Inspector's Name(s) and Contact Information:**

**Facility Representative(s) in Attendance and Contact Information:**

**Weather Information:** Weather at time of inspection? [CIRCLE ALL THAT APPLY]

Clear

Cloudy

Rain

Sleet

Fog

Snow

High Winds

Other:

**Stormwater Industrial Facility Annual/Comprehensive Inspection Report**

**SECTION B: REVIEW OF SWPPP**

(Note: Per the regulations under the General Discharge Permit for Stormwater Associated with Industrial Activities [02-SW], only item #5 below is a requirement of the Annual Inspection.)

(1) Does the facility have a SWPPP in place?	YES	NO	<b>Additional Comments/Notes</b>
(a) If <b>NO</b> , provide a brief description explaining reason			
(2) Is the contact information on the cover page of the SWPPP up to date?	YES	NO	<b>Additional Comments/Notes</b>
(a) If <b>NO</b> , how does the information need to be updated?			
(3) Is the Stormwater Pollution Prevention Team up to date?	YES	NO	<b>Additional Comments/Notes</b>
(a) If <b>NO</b> , how does this information need to be updated?			
(4) Have conditions on-site changed since the last update of the SWPPP?	YES	NO	<b>Additional Comments/Notes</b>
(a) If <b>YES</b> , how does this information need to be updated?			
(5) Are the site maps (Attachment B) and list of industrial activities (Section 2.1) up to date?	YES	NO	<b>Additional Comments/Notes</b>



### Stormwater Industrial Facility Annual/Comprehensive Inspection Report

(a) If <b>NO</b> , how does this information need to be updated?		
(6) Is the SWPPP signed?	YES NO	
If <b>NO</b> , contact the SWPPP team leader to have the document signed immediately.		

### **SECTION C: REVIEW OF ROUTINE/QUARTERLY INSPECTION FORMS**

(Note: Items reviewed below are a requirement of the facility's SWPPP. Per the regulations under the General Discharge Permit for Stormwater Associated with Industrial Activities [02-SW], they are not a requirement of the Annual Inspection)

(1) Have routine/quarterly inspections been completed?	YES NO	<b>Additional Comments/Notes</b>
(a) If <b>NO</b> , provide a brief description explaining reason.		
(2) Have routine/quarterly inspection forms been filed with the SWPPP?	YES NO	<b>Additional Comments/Notes</b>
(a) If <b>NO</b> , provide a brief description explaining reason.		

**Stormwater Industrial Facility Annual/Comprehensive Inspection Report**

(3) Were any corrective actions or necessary maintenance requirements identified on the routine/quarterly inspection forms?	YES	NO	<b>Additional Comments/Notes</b>
(a) If YES, provide a brief description and indicate whether they were completed.			

**SECTION D: REVIEW OF SPILL RESPONSE FORMS**

(Note: Items reviewed below are a requirement of the facility's SWPPP. Per the regulations under the General Discharge Permit for Stormwater Associated with Industrial Activities [02-SW], they are not a requirement of the Annual Inspection)

(1) Have any spills been reported for the site?	YES	NO	<b>Additional Comments/Notes</b>
(a) Provide a brief explanation.			
(2) If spills were reported, were the correct spill response procedures followed?	YES	NO	<b>Additional Comments/Notes</b>
(a) If NO, provide a brief description explaining reason.			

**Stormwater Industrial Facility Annual/Comprehensive Inspection Report**

**SECTION E: EMPLOYEE TRAINING**

(Note: Items reviewed below are a requirement of the facility's SWPPP. Per the regulations under the General Discharge Permit for Stormwater Associated with Industrial Activities [02-SW], they are not a requirement of the Annual Inspection)

(1) Have all employees completed the required employee training?	YES	NO	<b>Additional Comments/Notes</b>
(a) If <b>NO</b> , provide a brief description explaining reason.			
(2) If <b>YES</b> , are sign-in sheets and copies of the training curriculum included in the SWPPP?	YES	NO	<b>Additional Comments/Notes</b>
(a) If <b>NO</b> , provide a brief description why.			

**SECTION F: INSPECTION OF BMPs AND AREAS OF INDUSTRIAL ACTIVITIES**

**SITE MAP #1**

<b>GREASE STATION – BUILDING #11</b>			<b>Additional Comments/Notes</b>
(1) Is there evidence of spills/leaks (i.e. staining or absorbent materials on the ground)?	YES	NO (If <b>NO</b> , skip to #2)	
(a) Was the source of the spill identified?	YES	NO	
(b) Was the source of the spill eliminated?	YES	NO	
(c) Was a spill form completed?	YES	NO	
(d) Was the spill reported?	YES	NO	
(e) Was the spill cleaned up properly?	YES	NO	

Ballenger-McKinney Wastewater Treatment Plant  
MDE Permit 02SW1878  
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### Stormwater Industrial Facility Annual/Comprehensive Inspection Report

- If <b>NO</b> is circled for any of the questions (a-e) above, provide an explanation of why		
(2) Are spill kits available for use?	YES NO	
(a) If <b>YES</b> , do the spill kits need to be restocked?	YES NO	
(3) In general, is the loading/unloading pad clean and free of debris?	YES NO	

SEPTIC RECEIVING STATION – BUILDING #25		Additional Comments/Notes
(1) Is there evidence of spills/leaks (i.e. staining or absorbent materials on the ground)?	YES NO (If <b>NO</b> , skip to #2)	
(a) Was the source of the spill identified?	YES NO	
(b) Was the source of the spill eliminated	YES NO	
(c) Was a spill form completed?	YES NO	
(d) Was the spill reported?	YES NO	
(e) Was the spill cleaned up properly?	YES NO	
- If <b>NO</b> is circled for any of the questions (a-e) above, provide an explanation of why		
(2) In general, is the loading/unloading pad clean and free of debris?	YES NO	

SLUDGE PAD – BUILDING #20		Additional Comments/Notes
(1) Is there evidence of spills/leaks outside of or adjacent to the pad (i.e. staining or absorbent materials on the ground)?	YES NO (If <b>NO</b> , skip to #2)	
(a) Was the source of the spill identified?	YES NO	
(b) Was the source of the spill eliminated	YES NO	

### Stormwater Industrial Facility Annual/Comprehensive Inspection Report

(c) Was a spill form completed?	YES	NO	
(d) Was the spill reported?	YES	NO	
(e) Was the spill cleaned up properly?	YES	NO	
- If <b>NO</b> is circled for any of the questions (a-e) above, provide an explanation of why			
(2) Are spill kits available for use?	YES	NO	
(a) If <b>YES</b> , do the spill kits need to be restocked?	YES	NO	
(3) Is there evidence that sludge is being transported off of the pad?	YES	NO	
(4) Are any materials, drums, or containers exposed to precipitation?	YES	NO	
(a) If <b>YES</b> , are they sealed and labeled properly?	YES	NO	
(5) Are all materials organized and stored in an orderly fashion?	YES	NO	
(6) Has all waste been disposed of properly?	YES	NO	

SLUDGE BUILDING – BUILDING #19			Additional Comments/Notes
(1) Are any materials, drums, or containers exposed to precipitation?	YES	NO	
(b) If <b>YES</b> , are they sealed and labeled properly?	YES	NO	
(2) Are all materials organized and stored in an orderly fashion?	YES	NO	
(3) Has all waste been disposed of properly?	YES	NO	

SODIUM HYPOCHLORITE TANK			Additional Comments/Notes
(1) Is there evidence of spills/leaks (i.e. staining or absorbent materials on the ground)?	YES	NO (If <b>NO</b> , skip to #2)	
(a) Was the source of the spill identified?	YES	NO	
(b) Was the source of the spill eliminated?	YES	NO	
(c) Was a spill form completed?	YES	NO	
(d) Was the spill reported?	YES	NO	
(e) Was the spill cleaned up properly?	YES	NO	

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- If <b>NO</b> is circled for any of the questions (a-e) above, provide an explanation of why		
(2) Are spill kits available for use?	YES NO	
(a) If <b>YES</b> , do the spill kits need to be restocked?	YES NO	

METHANOL STORAGE – BUILDING #4		Additional Comments/Notes
(1) Is there evidence of spills/leaks (i.e. staining or absorbent materials on the ground)?	YES NO (If <b>NO</b> , skip to next section)	
(a) Was the source of the spill identified?	YES NO	
(b) Was the source of the spill eliminated	YES NO	
(c) Was a spill form completed?	YES NO	
(d) Was the spill reported?	YES NO	
(e) Was the spill cleaned up properly?	YES NO	
- If <b>NO</b> is circled for any of the questions (a-e) above, provide an explanation of why		

FERRIC CHLORIDE STORAGE – BUILDING #8		Additional Comments/Notes
(1) Is there evidence of spills/leaks (i.e. staining or absorbent materials on the ground)?	YES NO (If <b>NO</b> , skip to next section)	
(a) Was the source of the spill identified?	YES NO	
(b) Was the source of the spill eliminated	YES NO	



### Stormwater Industrial Facility Annual/Comprehensive Inspection Report

(c) Was a spill form completed?	YES	NO	
(d) Was the spill reported?	YES	NO	
(e) Was the spill cleaned up properly?	YES	NO	
- If <b>NO</b> is circled for any of the questions (a-e) above, provide an explanation of why			

PAVED AREAS			Additional Comments/Notes
(1) Is there evidence of spills/leaks (i.e. staining or absorbent materials on the ground)?	YES	NO (If <b>NO</b> , skip to next section)	
(a) Was the source of the spill identified?	YES	NO	
(b) Was the source of the spill eliminated	YES	NO	
(c) Was a spill form completed?	YES	NO	
(d) Was the spill reported?	YES	NO	
(e) Was the spill cleaned up properly?	YES	NO	
- If <b>NO</b> is circled for any of the questions (a-e) above, provide an explanation of why			

TRANSFORMERS/GENERATORS			Additional Comments/Notes
(1) Is there evidence of spills/leaks (i.e. staining or absorbent materials on the ground)?	YES	NO (If <b>NO</b> , skip to #2)	
(a) Was the source of the spill identified?	YES	NO	
(b) Was the source of the spill eliminated	YES	NO	

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(c) Was a spill form completed?	YES	NO	
(d) Was the spill reported?	YES	NO	
(e) Was the spill cleaned up properly?	YES	NO	
- If <b>NO</b> is circled for any of the questions (a-e) above, provide an explanation of why			
(2) Are spill kits available for use?	YES	NO	
(a) If <b>YES</b> , do the spill kits need to be restocked?	YES	NO	

### SITE MAP #2

STORMWATER POND #1			Additional Comments/Notes
(1) Does the pond appear to be functioning properly?	YES	NO	
(2) Is there an excessive amount of litter in the pond?	YES	NO	
(3) Does there appear to be a significant amount of sediment accumulated in the pond?	YES	NO	
(4) If the pond has water, is there an excessive amount of algae present?	YES	NO	
(5) Does the inlet(s) have dry weather flow <sup>1</sup> ?	YES	NO	
(6) If the pond has water, is there an odor?	YES	NO	
(7) If the pond has water, is the water discolored?	YES	NO	
(8) Is there evidence of erosion present on the banks of the pond?	YES	NO	
(9) Is there any other condition that appears to be abnormal?	YES	NO	
(a) If <b>YES</b> is circled for any of the questions (2-9) above, provide a description of the condition, corrective action necessary and photo (if possible).			

<sup>1</sup>Dry weather flow = presence of flowing water when it has not rained within the last 48 hours.

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DRAINAGE SWALE			Additional Comments/Notes
(1) Does the drainage swale appear to be functioning properly?	YES	NO	
(2) Is there an excessive amount of litter in the drainage swale?	YES	NO	
(3) Does there appear to be a significant amount of sediment accumulated in the drainage swale?	YES	NO	
(4) If the drainage swale has water, is there an excessive amount of algae present?	YES	NO	
(5) Does the outlet from the drainage swale have dry weather flow <sup>1</sup> ?	YES	NO	
(6) If the drainage swales have water, is there an odor?	YES	NO	
(7) If the drainage swales have water, is the water discolored?	YES	NO	
(8) Is there evidence of erosion along the drainage swales?	YES	NO	
(9) Is there any other condition that appears to be abnormal?	YES	NO	
(a) If YES is circled for any of the questions (2-9) above, provide a description of the condition, corrective action necessary and photo (if possible).			

<sup>1</sup>Dry weather flow = presence of flowing water when it has not rained within the last 48 hours.

GRIT FACILITY – BUILDING #30			Additional Comments/Notes
(1) Is there evidence of spills/leaks on the dumpster conveyor pad (i.e. staining or absorbent materials on the ground)?	YES	NO (If NO, skip to #2)	
(a) Was the source of the spill identified?	YES	NO	
(b) Was the source of the spill eliminated	YES	NO	
(c) Was a spill form completed?	YES	NO	
(d) Was the spill reported?	YES	NO	
(e) Was the spill cleaned up properly?	YES	NO	
- If NO is circled for any of the questions (a-e) above, provide an explanation of why			

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(2) Are spill kits available for use?	YES	NO	
(a) If YES, do the spill kits need to be restocked?	YES	NO	
(3) Is there evidence of spills/leaks at the liquid polymer connection? [FOR FUTURE USE]	YES	NO	
(a) Was the source of the spill identified?	YES	NO	
(b) Was the source of the spill eliminated	YES	NO	
(c) Was a spill form completed?	YES	NO	
(d) Was the spill reported?	YES	NO	
(e) Was the spill cleaned up properly?	YES	NO	
(4) Is there evidence of spills/leaks at the ferric chloride tank?	YES	NO	
(a) Was the source of the spill identified?	YES	NO	
(b) Was the source of the spill eliminated	YES	NO	
(c) Was a spill form completed?	YES	NO	
(d) Was the spill reported?	YES	NO	
(e) Was the spill cleaned up properly?	YES	NO	

INFLUENT PUMPING STATION – BUILDING #29			Additional Comments/Notes
(1) Is there evidence of spills/leaks on the dumpster conveyor pad (i.e. staining or absorbent materials on the ground)?	YES	NO (If NO, skip to #2)	
(a) Was the source of the spill identified?	YES	NO	
(b) Was the source of the spill eliminated	YES	NO	
(c) Was a spill form completed?	YES	NO	
(d) Was the spill reported?	YES	NO	
(e) Was the spill cleaned up properly?	YES	NO	
- If NO is circled for any of the questions (a-e) above, provide an explanation of why			

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(2) Are spill kits available for use?	YES	NO	
(a) If YES, do the spill kits need to be restocked?	YES	NO	

<b>FINE SCREENING FACILITY – BUILDING #34</b>			<b>Additional Comments/Notes</b>
(1) Are any materials, drums, or containers exposed to precipitation?	YES	NO	
(a) If YES, are they sealed and labeled properly?	YES	NO	
(2) Are all materials organized and stored in an orderly fashion?	YES	NO	
(3) Has all waste been disposed of properly?	YES	NO	

<b>PAVED AREAS</b>			<b>Additional Comments/Notes</b>
(1) Is there evidence of spills/leaks (i.e. staining or absorbent materials on the ground)?	YES	NO (if NO, skip to next section)	
(a) Was the source of the spill identified?	YES	NO	
(b) Was the source of the spill eliminated?	YES	NO	
(c) Was a spill form completed?	YES	NO	
(d) Was the spill reported?	YES	NO	
(e) Was the spill cleaned up properly?	YES	NO	
- If NO is circled for any of the questions (a-e) above, provide an explanation of why			

**SITE MAP #3**

<b>DRAINAGE SWALES</b>			<b>Additional Comments/Notes</b>
(1) Do the drainage swales appear to be functioning properly?	YES	NO	
(2) Is there an excessive amount of litter in the drainage swales?	YES	NO	
(3) Does there appear to be a significant amount of sediment accumulated in the drainage swales?	YES	NO	

### Stormwater Industrial Facility Annual/Comprehensive Inspection Report

(4) If the drainage swales have water, is there an excessive amount of algae present?	YES	NO	
(5) Does the outlet from the drainage swales have dry weather flow <sup>1</sup> ?	YES	NO	
(6) If the drainage swales have water, is there an odor?	YES	NO	
(7) If the drainage swales have water, is the water discolored?	YES	NO	
(8) Is there evidence of erosion along the drainage swales?	YES	NO	
(9) Is there any other condition that appears to be abnormal?	YES	NO	
(a) If YES is circled for any of the questions (2-9) above, provide a description of the condition, corrective action necessary and photo (if possible).			

<sup>1</sup>Dry weather flow = presence of flowing water when it has not rained within the last 48 hours.

INFILTRATION BASIN			Additional Comments/Notes
(1) Does the infiltration basin appear to be functioning properly?	YES	NO	
(2) Is there an excessive amount of litter in the infiltration basin?	YES	NO	
(3) Does there appear to be a significant amount of sediment accumulated in the infiltration basin?	YES	NO	
(4) If the infiltration basin has water, is there an excessive amount of algae present?	YES	NO	
(5) Does the inlet(s) have dry weather flow <sup>1</sup> ?	YES	NO	
(6) If water is present, is there an odor?	YES	NO	
(7) If water is present, is the water discolored?	YES	NO	
(8) Is there evidence of erosion within the infiltration basin?	YES	NO	
(9) Is there any other condition that appears to be abnormal?	YES	NO	
(a) If YES is circled for any of the questions (2-9) above, provide a description of the condition, corrective action necessary and photo (if possible).			



### Stormwater Industrial Facility Annual/Comprehensive Inspection Report

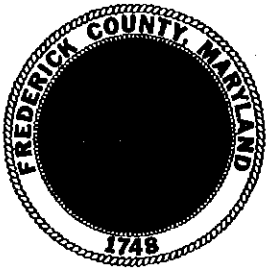
<sup>1</sup> Dry weather flow = presence of flowing water when it has not rained within the last 48 hours.	

### **SECTION G: GENERAL INSPECTION FINDINGS**

(1) As part of this comprehensive site inspection, did you inspect all potential pollutant sources, including areas where industrial activity may be exposed to stormwater?	YES NO	<b>Additional Comments/Notes</b>
(a) If <b>NO</b> , describe why not		
(2) Did this inspection identify any stormwater or non-stormwater outfalls not previously identified in the SWPPP?	YES NO	<b>Additional Comments/Notes</b>
(a) If <b>YES</b> , for each location, describe the sources of those stormwater and non-stormwater discharges and any associated control measures in place		
(3) Did this inspection identify any sources of stormwater or non-stormwater discharges not previously identified in the SWPPP?	YES NO	<b>Additional Comments/Notes</b>
(a) If <b>YES</b> , describe the sources of stormwater or non-stormwater pollutants expected to be present in these discharges, and any control measures in place		

**Stormwater Industrial Facility Annual/Comprehensive Inspection Report**

(4) Did you review stormwater monitoring data as part of this inspection to identify potential pollutant hotspots?	YES    NO    N/A	<b>Additional Comments/Notes</b>
(a) If <b>YES</b> , summarize the findings of that review and describe any additional inspection activities resulting from this review		
(5) Describe any evidence of pollutants entering the drainage system or discharging to surface waters, and the condition of and around outfalls, including flow dissipation measures to prevent scouring		<b>Additional Comments/Notes</b>
(6) Have you taken or do you plan to take any corrective action, as specified in the permit, since your last annual report submission (or since you received authorization to discharge under this permit if this is your first annual report), including any correcting actions identified as a result of this annual comprehensive site inspection?	YES            NO	<b>Additional Comments/Notes</b>
(a) If <b>YES</b> , how many corrective actions?		



**FREDERICK COUNTY GOVERNMENT  
DIVISION OF COMMUNITY DEVELOPMENT**

*Eric E. Soter, Director*

***Planning & Development Review Department  
Office of Sustainability & Environmental Resources  
Shannon Moore, Manager***

30 North Market Street  
Frederick, Maryland 21701

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Lori L. Depies, CPA  
*County Manager*

**MEMORANDUM**

**DATE:** January 30, 2013

**To:** Mark Schweitzer, Department Head, Division of Utilities and Solid Waste Management  
Mehal Trivedi, Engineer II, Division of Utilities and Solid Waste Management

**From:** Jessica H. Seipp, Project Manager, Frederick County Office of Sustainability and  
Environmental Resources (OSER) 

**Re:** **Ballenger-McKinney Wastewater Treatment Plant, 02SW1878, Comprehensive Annual Inspection**

Staff from Frederick County's Office of Sustainability and Environmental Resources (OSER) and its consultant Versar, Inc. completed a Comprehensive Annual Inspection of the Ballenger-McKinney Wastewater Treatment Plant on November 29, 2012. This Comprehensive Annual Inspection was conducted in order to comply with regulations in the facility's General Permit for Discharges from Stormwater Associated with Industrial Activities (02SW1878). Mr. Mark Schweitzer and Mr. Mehal Trivedi participated in the inspection.

Included below are findings from the inspection that the Division of Utilities and Solid Waste Management (DUSWM) may want to consider prioritizing for corrective action. Attached is a copy of the completed inspection form which includes detailed findings and additional recommended corrective actions. If you have any questions you may contact me at 301.600.1350 or [jseipp@frederickcountymd.gov](mailto:jseipp@frederickcountymd.gov).

**Recommended Corrective Actions for Minimizing Exposure** – The facility's General Permit and Stormwater Pollution Prevention Plan (SWPPP) require that steps are taken to minimize the exposure of industrial activities to precipitation.

- (1) The site is an active construction site and has sediment and erosion control measures in place. Although inspection of the sediment and erosion control best management practices (BMPs) is not a specific requirement of the General Permit, plant staff should regularly inspect the stormwater management structures on the facility to ensure that sediment is not being discharged.
- (2) Secondary containment should be provided for all process chemicals stored on-site. If the secondary containment is exposed to precipitation it should be inspected after storm events for the presence of stormwater. If stormwater is present, it should be drained if no contamination is present.
- (3) DUSWM should investigate the feasibility of installing a berm in front of the sludge pad (Map #1, Building #20) to decrease the potential for stormwater run-on and run-off.

**Recommended Corrective Actions for Maintenance of Facility Records** – The facility's SWPPP requires that copies of all quarterly inspections, spill forms, and annual training documentation be stored within the SWPPP

document. Staff should ensure that the quarterly inspections are conducted in a timely manner and a copy of the inspection is filed with the master copy of the SWPPP document stored on-site.

Cc:

Kevin Demosky, Director, Division of Utilities and Solid Waste Management

Eric E. Soter, Director, Frederick County Community Development Division

Shannon Moore, Manager, Frederick County Office of Sustainability and Environmental Resources (OSER)

## SECTION A: GENERAL INFORMATION

**Facility Name:** Ballenger-McKinney Wastewater Treatment Plant

**NPDES Permit Number:** MDE Permit 02SW1878

**Facility Address:** 7400 Marcie's Choice Lane, Frederick, MD 21704

**Date of Inspection:** November 29, 2012

**Start/End Time of Inspection:** 8:23 AM – 11:45 AM

### Inspector's Name(s) and Contact Information:

Alexi Boado, Watershed Ecologist  
ABoado@Versar.com  
(410) 740-6054  
Versar, Inc.  
9200 Rumsey Road Suite 100  
Columbia, MD 21702

Jessica Seipp, Project Manager III  
JSeipp@frederickcountymd.gov  
(301) 600-1350  
Frederick County OSER  
30 North Market St.  
Frederick, MD 21701

### Facility Representative(s) in Attendance and Contact Information:

Mark Schweitzer, Department Head  
MSchweitzer@frederickcountymd.gov  
(301) 600-2296  
Frederick County DUSWM  
4520 Metropolitan Court  
Frederick, MD 21704

Mehal Trivedi, Engineer II  
MTrivedi@frederickcountymd.gov  
(301) 600-3043  
Frederick County DUSWM  
4520 Metropolitan Court  
Frederick, MD 21704

**Weather Information:** Weather at time of inspection? [CIRCLE ALL THAT APPLY]

☒ Clear      ☐ Cloudy      ☐ Rain      ☐ Sleet      ☐ Fog      ☐ Snow      ☐ High Winds      ☐ Other:

## Stormwater Industrial Facility Annual/Comprehensive Inspection Report

### SECTION B: REVIEW OF SWPPP

**(Note:** Per the regulations under the General Discharge Permit for Stormwater Associated with Industrial Activities [02-SW], only item #5 below is a requirement of the Annual Inspection.)

<p>(1) Does the facility have a SWPPP in place?</p> <p>(a) If <b>NO</b>, provide a brief description explaining reason</p>	<p><input checked="" type="radio"/> YES</p> <p><input type="radio"/> NO</p>	<p>Additional Comments/Notes</p>
<p>(2) Is the contact information on the cover page of the SWPPP up to date?</p> <p>(a) If <b>NO</b>, how does the information need to be updated?</p>	<p><input checked="" type="radio"/> YES</p> <p><input type="radio"/> NO</p>	<p>Additional Comments/Notes</p>
<p>(3) Is the Stormwater Pollution Prevention Team up to date?</p> <p>(a) If <b>NO</b>, how does this information need to be updated?</p>	<p><input checked="" type="radio"/> YES</p> <p><input type="radio"/> NO</p>	<p>Additional Comments/Notes</p>
<p>(4) Have conditions on-site changed since the last update of the SWPPP?</p> <p>(a) If <b>NO</b>, how does this information need to be updated?</p> <p>The site is an active construction site so conditions are changing on a regular basis. The SWPPP is being updated as needed as major components of the facility come on-line or are decommissioned.</p> <p>The list of materials will need to be updated as new building become active.</p>	<p><input checked="" type="radio"/> YES</p> <p><input type="radio"/> NO</p>	<p>Additional Comments/Notes</p>
<p>(5) Are the site maps (Attachment B) and list of industrial activities (Section 2.1) up to date?</p> <p>(a) If <b>NO</b>, how does this information need to be updated?</p> <p>Additional updates are required based on today's site visit and as a result of the active construction.</p>	<p><input type="radio"/> YES</p> <p><input checked="" type="radio"/> NO</p>	<p>Additional Comments/Notes</p> <p>Required changes have been noted and will be completed by OSER staff.</p>
<p>(6) Is the SWPPP signed?</p> <p>If <b>NO</b>, contact the SWPPP team leader to have the document signed immediately.</p>	<p><input checked="" type="radio"/> YES</p> <p><input type="radio"/> NO</p>	



**SECTION C: REVIEW OF ROUTINE/QUARTERLY INSPECTION FORMS**

(Note: Items reviewed below are a requirement of the facility's SWPPP. Per the regulations under the General Discharge Permit for Stormwater Associated with Industrial Activities [02-SW], they are not a requirement of the Annual Inspection)

(1) Have routine/quarterly inspections been completed?	<input checked="" type="radio"/> YES	<input type="radio"/> NO	Additional Comments/Notes
(a) If <b>NO</b> , provide a brief description explaining reason.			
One quarterly inspection was completed but it was not stored in the SWPPP. DUSWM saved an electronic copy on the network drive where it is accessible to all staff. From here on, copies of the completed inspection forms will be inserted into the SWPPP.			
(2) Have routine/quarterly inspection forms been filed with the SWPPP?	<input checked="" type="radio"/> YES	<input type="radio"/> NO	Additional Comments/Notes
(a) If <b>NO</b> , provide a brief description explaining reason.			
See note above – DUSWM is changing their process so that copies are stored with the SWPPP.			
(3) Were any corrective actions or necessary maintenance requirements identified on the routine/quarterly inspection forms?	<input checked="" type="radio"/> YES	<input type="radio"/> NO	Additional Comments/Notes
(a) If <b>YES</b> , provide a brief description and indicate whether they were completed.			

**SECTION D: REVIEW OF SPILL RESPONSE FORMS**

(Note: Items reviewed below are a requirement of the facility's SWPPP. Per the regulations under the General Discharge Permit for Stormwater Associated with Industrial Activities [02-SW], they are not a requirement of the Annual Inspection)

(1) Have any spills been reported for the site?	<input checked="" type="radio"/> YES	<input type="radio"/> NO	Additional Comments/Notes
(a) Provide a brief explanation.			
Spill and sanitary sewer overflow (SSO) forms are stored in a separate location. Copies need to be inserted into the SWPPP.			
(2) If spills were reported, were the correct spill response procedures followed?	<input checked="" type="radio"/> YES	<input type="radio"/> NO	Additional Comments/Notes
(a) If <b>NO</b> , provide a brief description explaining reason.			

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## SECTION E: EMPLOYEE TRAINING

(Note: Items reviewed below are a requirement of the facility's SWPPP. Per the regulations under the General Discharge Permit for Stormwater Associated with Industrial Activities [02-SW], they are not a requirement of the Annual Inspection)

(1) Have all employees completed the required employee training?	<input checked="" type="radio"/> YES	<input type="radio"/> NO	Additional Comments/Notes
(a) If NO, provide a brief description explaining reason.			
(2) If YES, are sign-in sheets and copies of the training curriculum included in the SWPPP?	<input checked="" type="radio"/> YES	<input type="radio"/> NO	Additional Comments/Notes
(a) If NO, provide a brief description why.			

## SECTION F: INSPECTION OF BMPs AND AREAS OF INDUSTRIAL ACTIVITIES

### SITE MAP #1

GREASE STATION – BUILDING #11		Additional Comments/Notes
(1) Is there evidence of spills/leaks (i.e. staining or absorbent materials on the ground)?	YES <input type="radio"/> (If NO, skip to #2) <input checked="" type="radio"/> NO	This station may be decommissioned. Its status was unknown at the time of inspection.  Re #2 – Spill kits should be added for containing oily liquids.
(a) Was the source of the spill identified?	YES <input type="radio"/> NO <input type="radio"/>	
(b) Was the source of the spill eliminated?	YES <input type="radio"/> NO <input type="radio"/>	
(c) Was a spill form completed?	YES <input type="radio"/> NO <input type="radio"/>	
(d) Was the spill reported?	YES <input type="radio"/> NO <input type="radio"/>	
(e) Was the spill cleaned up properly?	YES <input type="radio"/> NO <input type="radio"/>	
- If NO is circled for any of the questions (a-e) above, provide an explanation of why		
(2) Are spill kits available for use?	YES <input type="radio"/> <input checked="" type="radio"/> NO	
(a) If YES, do the spill kits need to be restocked?	YES <input type="radio"/> NO <input type="radio"/>	
(3) In general, is the loading/unloading pad clean and free of debris?	<input checked="" type="radio"/> YES <input type="radio"/> NO	

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<b>SEPTIC RECEIVING STATION – BUILDING #25</b>		<b>Additional Comments/Notes</b>
(1) Is there evidence of spills/leaks (i.e. staining or absorbent materials on the ground)?	YES (if NO, skip to #2)	<input checked="" type="radio"/> NO
(a) Was the source of the spill identified?	YES	NO
(b) Was the source of the spill eliminated	YES	NO
(c) Was a spill form completed?	YES	NO
(d) Was the spill reported?	YES	NO
(e) Was the spill cleaned up properly?	YES	NO
- If NO is circled for any of the questions (a-e) above, provide an explanation of why		
(2) In general, is the loading/unloading pad clean and free of debris?	<input checked="" type="radio"/> YES	NO

<b>SLUDGE PAD – BUILDING #20</b>		<b>Additional Comments/Notes</b>
(1) Is there evidence of spills/leaks outside of or adjacent to the pad (i.e. staining or absorbent materials on the ground)?	YES (if NO, skip to #2)	<input checked="" type="radio"/> NO
(a) Was the source of the spill identified?	YES	NO
(b) Was the source of the spill eliminated	YES	NO
(c) Was a spill form completed?	YES	NO
(d) Was the spill reported?	YES	NO
(e) Was the spill cleaned up properly?	YES	NO
- If NO is circled for any of the questions (a-e) above, provide an explanation of why		
(2) Are spill kits available for use?	YES	<input checked="" type="radio"/> NO
(a) If YES, do the spill kits need to be restocked?	YES	NO
(3) Is there evidence that sludge is being transported off of the pad?	<input checked="" type="radio"/> YES	NO

<b>SLUDGE BUILDING – BUILDING #19</b>		<b>Additional Comments/Notes</b>
(1) Are any materials, drums, or containers exposed to precipitation?	<input checked="" type="radio"/> YES	NO
(a) If YES, are they sealed and labeled properly?	YES	<input checked="" type="radio"/> NO
(2) Is secondary containment provided for all drums?	<input checked="" type="radio"/> YES	NO

## Stormwater Industrial Facility Annual/Comprehensive Inspection Report

(3) Are all materials organized and stored in an orderly fashion?	YES	<input type="radio"/> NO	
(4) Has all waste been disposed of properly?	YES	<input type="radio"/> NO	<p>Re #2 – The secondary containment for the small drums/buckets stored in this area needs to be emptied of stormwater. All buckets/drums should be labeled.</p> <p>Re #4 – The dumpster located behind the building should be covered.</p>

SODIUM HYPOCHLORITE TANK			Additional Comments/Notes
(1) Is there evidence of spills/leaks (i.e. staining or absorbent materials on the ground)?	YES	<input type="radio"/> NO	<p>If this tank will remain in use: the size of its secondary containment needs to be increased; the containment should include the valve and hose that run to the building; permanent bollards to protect against collision should be installed; and, a spill kit needs to be added.</p>
(a) Was the source of the spill identified?	YES	NO	
(b) Was the source of the spill eliminated	YES	NO	
(c) Was a spill form completed?	YES	NO	
(d) Was the spill reported?	YES	NO	
(e) Was the spill cleaned up properly?	YES	NO	
<p>- If NO is circled for any of the questions (a-e) above, provide an explanation of why</p>			
(2) Are spill kits available for use?	YES	<input type="radio"/> NO	
(a) If YES, do the spill kits need to be restocked?	YES	NO	

METHANOL STORAGE – BUILDING #4			Additional Comments/Notes
(1) Is there evidence of spills/leaks (i.e. staining or absorbent materials on the ground)?	YES	<input type="radio"/> NO	<p>A label with the capacity of each tank needs to be added.</p>
(a) Was the source of the spill identified?	YES	NO	
(b) Was the source of the spill eliminated	YES	NO	
(c) Was a spill form completed?	YES	NO	
(d) Was the spill reported?	YES	NO	
(e) Was the spill cleaned up properly?	YES	NO	

# Stormwater Industrial Facility Annual/Comprehensive Inspection Report

- If NO is circled for any of the questions (a-e) above, provide an explanation of why	
--	--

FERRIC CHLORIDE STORAGE -- BUILDING #8			Additional Comments/Notes
(1) Is there evidence of spills/leaks (i.e. staining or absorbent materials on the ground)?	YES (If NO, skip to next section)	<input checked="" type="radio"/> NO	A larger label with the capacity and contents needs to be added to the tank.
(a) Was the source of the spill identified?	YES	NO	
(b) Was the source of the spill eliminated	YES	NO	
(c) Was a spill form completed?	YES	NO	
(d) Was the spill reported?	YES	NO	
(e) Was the spill cleaned up properly?	YES	NO	
- If NO is circled for any of the questions (a-e) above, provide an explanation of why			

PAVED AREAS			Additional Comments/Notes
(1) Is there evidence of spills/leaks (i.e. staining or absorbent materials on the ground)?	YES (If NO, skip to next section)	<input checked="" type="radio"/> NO	As previously mentioned, the whole site is an active construction site. The paved areas are covered with mud but sediment and erosion control measures are in place around the facility. On the day of the inspection, inlet protection existed at all but the primary inlet next to Building #19.
(a) Was the source of the spill identified?	YES	NO	
(b) Was the source of the spill eliminated	YES	NO	
(c) Was a spill form completed?	YES	NO	
(d) Was the spill reported?	YES	NO	
(e) Was the spill cleaned up properly?	YES	NO	
- If NO is circled for any of the questions (a-e) above, provide an explanation of why			

TRANSFORMERS/GENERATORS			Additional Comments/Notes
(1) Is there evidence of spills/leaks (i.e. staining or absorbent materials on the ground)?	YES (If NO, skip to #2)	<input checked="" type="radio"/> NO	Re #2 -- spill kits are present but need to be labeled as such.
(a) Was the source of the spill identified?	YES	NO	

## Stormwater Industrial Facility Annual/Comprehensive Inspection Report

(b) Was the source of the spill eliminated	YES	NO	
(c) Was a spill form completed?	YES	NO	
(d) Was the spill reported?	YES	NO	
(e) Was the spill cleaned up properly?	YES	NO	
- If <b>NO</b> is circled for any of the questions (a-e) above, provide an explanation of why			
(2) Are spill kits available for use?	<input checked="" type="radio"/> YES	<input type="radio"/> NO	
(a) If YES, do the spill kits need to be restocked?	YES	<input type="radio"/> NO	

### SITE MAP #2

STORMWATER POND #1			Additional Comments/Notes
(1) Does the pond appear to be functioning properly?	<input checked="" type="radio"/> YES	<input type="radio"/> NO	There was approximately a ½" of rain 2 days prior to the date of the inspection and the forebay is still full of water. The inlet pipe is ½ full of water. Staff should review the plans to determine how the pond was designed and whether it is functioning properly.
(2) Is there an excessive amount of litter in the pond?	YES	<input type="radio"/> NO	
(3) Does there appear to be a significant amount of sediment accumulated in the pond?	YES	<input type="radio"/> NO	
(4) If the pond has water, is there an excessive amount of algae present?	YES	<input type="radio"/> NO	
(5) Does the inlet(s) have dry weather flow <sup>1</sup> ?	YES	<input type="radio"/> NO	
(6) If the pond has water, is there an odor?	YES	<input type="radio"/> NO	
(7) If the pond has water, is the water discolored?	YES	<input type="radio"/> NO	
(8) Is there evidence of erosion present on the banks of the pond?	YES	<input type="radio"/> NO	
(9) Is there any other condition that appears to be abnormal?	YES	<input type="radio"/> NO	
(a) If <b>YES</b> is circled for any of the questions (2-9) above, provide a description of the condition, corrective action necessary and photo (if possible).			
<sup>1</sup> Dry weather flow = presence of flowing water when it has not rained within the last 48 hours.			

DRAINAGE SWALE			Additional Comments/Notes
(1) Does the drainage swale appear to be functioning properly?	<input checked="" type="radio"/> YES	<input type="radio"/> NO	
(2) Is there an excessive amount of litter in the drainage swale?	YES	<input type="radio"/> NO	
(3) Does there appear to be a significant amount of sediment accumulated in	YES	<input type="radio"/> NO	



# Stormwater Industrial Facility Annual/Comprehensive Inspection Report

the drainage swale?	
(4) If the drainage swale has water, is there an excessive amount of algae present?	YES <input type="radio"/> NO <input checked="" type="radio"/>
(5) Does the outlet from the drainage swale have dry weather flow <sup>1</sup> ?	YES <input type="radio"/> NO <input checked="" type="radio"/>
(6) If the drainage swales have water, is there an odor?	YES <input type="radio"/> NO <input checked="" type="radio"/>
(7) If the drainage swales have water, is the water discolored?	YES <input type="radio"/> NO <input checked="" type="radio"/>
(8) Is there evidence of erosion along the drainage swales?	YES <input type="radio"/> NO <input checked="" type="radio"/>
(9) Is there any other condition that appears to be abnormal?	YES <input type="radio"/> NO <input checked="" type="radio"/>
(a) If YES is circled for any of the questions (2-9) above, provide a description of the condition, corrective action necessary and photo (if possible).	
<sup>1</sup> Dry weather flow = presence of flowing water when it has not rained within the last 48 hours.	

GRIT FACILITY – BUILDING #30		Additional Comments/Notes
(1) Is there evidence of spills/leaks on the dumpster conveyor pad (i.e. staining or absorbent materials on the ground)?	YES <input type="radio"/> NO <input checked="" type="radio"/> (If NO, skip to #2)	Re #2 – Spill kits/absorbent should be provided for this area
(a) Was the source of the spill identified?	YES <input type="radio"/> NO <input type="radio"/>	Re #3 – The external connection for the liquid polymer tank should be labeled indicating its intended use. Protection from vehicle collision should be provided.
(b) Was the source of the spill eliminated	YES <input type="radio"/> NO <input type="radio"/>	
(c) Was a spill form completed?	YES <input type="radio"/> NO <input type="radio"/>	
(d) Was the spill reported?	YES <input type="radio"/> NO <input type="radio"/>	
(e) Was the spill cleaned up properly?	YES <input type="radio"/> NO <input type="radio"/>	
- If NO is circled for any of the questions (a-e) above, provide an explanation of why		
(2) Are spill kits available for use?	YES <input type="radio"/> NO <input checked="" type="radio"/>	
(a) If YES, do the spill kits need to be restocked?	YES <input type="radio"/> NO <input type="radio"/>	
(3) Is there evidence of spills/leaks at the liquid polymer connection?	YES <input type="radio"/> NO <input checked="" type="radio"/> (If NO, skip to #4)	
(a) Was the source of the spill identified?	YES <input type="radio"/> NO <input type="radio"/>	
(b) Was the source of the spill eliminated	YES <input type="radio"/> NO <input type="radio"/>	
(c) Was a spill form completed?	YES <input type="radio"/> NO <input type="radio"/>	
(d) Was the spill reported?	YES <input type="radio"/> NO <input type="radio"/>	

# Stormwater Industrial Facility Annual/Comprehensive Inspection Report

(e) Was the spill cleaned up properly?	YES	NO	
(4) Is there evidence of spills/leaks at the ferric chloride tank?	YES	<u>NO</u> (If NO, skip to next section)	
(a) Was the source of the spill identified?	YES	NO	
(b) Was the source of the spill eliminated?	YES	NO	
(c) Was a spill form completed?	YES	NO	
(d) Was the spill reported?	YES	NO	
(e) Was the spill cleaned up properly?	YES	NO	

INFLUENT PUMPING STATION – BUILDING #29			Additional Comments/Notes
(1) Is there evidence of spills/leaks on the dumpster conveyor pad (i.e. staining or absorbent materials on the ground)?	YES	<u>NO</u> (If NO, skip to #2)	Re #2 – Spill Kits/absorbent should be provided for this area
(a) Was the source of the spill identified?	YES	NO	
(b) Was the source of the spill eliminated?	YES	NO	
(c) Was a spill form completed?	YES	NO	
(d) Was the spill reported?	YES	NO	
(e) Was the spill cleaned up properly?	YES	NO	
- If NO is circled for any of the questions (a-e) above, provide an explanation of why			
(2) Are spill kits available for use?	YES	<u>NO</u>	
(a) If YES, do the spill kits need to be restocked?	YES	NO	

FINE SCREENING FACILITY – BUILDING #34			Additional Comments/Notes
(1) Are any materials, drums, or containers exposed to precipitation?	YES	<u>NO</u>	Re #1 – Although no materials were stored outside, there was an uncovered dumpster located outside Building #34
(a) If YES, are they sealed and labeled properly?	YES	NO	
(2) Are all materials organized and stored in an orderly fashion?	<u>YES</u>	NO	
(3) Has all waste been disposed of properly?	<u>YES</u>	NO	

# Stormwater Industrial Facility Annual/Comprehensive Inspection Report

PAVED AREAS		Additional Comments/Notes
(1) Is there evidence of spills/leaks (i.e. staining or absorbent materials on the ground)?	YES (If NO, skip to next section)	Spill kits/absorbent should be provided for this side of the wastewater treatment plant.
(a) Was the source of the spill identified?	YES	
(b) Was the source of the spill eliminated	YES	
(c) Was a spill form completed?	YES	
(d) Was the spill reported?	YES	
(e) Was the spill cleaned up properly?	YES	
- If NO is circled for any of the questions (a-e) above, provide an explanation of why		

## SITE MAP #3

DRAINAGE SWALES		Additional Comments/Notes
(1) Do the drainage swales appear to be functioning properly?	YES	On the day of inspection, the silt fence that was installed along this swale as part of the construction at the site was failing.
(2) Is there an excessive amount of litter in the drainage swales?	YES	
(3) Does there appear to be a significant amount of sediment accumulated in the drainage swales?	YES	
(4) If the drainage swales have water, is there an excessive amount of algae present?	YES	
(5) Does the outlet from the drainage swales have dry weather flow <sup>1</sup> ?	YES	
(6) If the drainage swales have water, is there an odor?	YES	
(7) If the drainage swales have water, is the water discolored?	YES	
(8) Is there evidence of erosion along the drainage swales?	YES	
(9) Is there any other condition that appears to be abnormal?	YES	
(a) If YES is circled for any of the questions (2-9) above, provide a description of the condition, corrective action necessary and photo (if possible).		
<sup>1</sup> Dry weather flow = presence of flowing water when it has not rained within the last 48 hours.		

## Stormwater Industrial Facility Annual/Comprehensive Inspection Report

INFILTRATION BASIN		Additional Comments/Notes
(1) Does the infiltration basin appear to be functioning properly?	<input checked="" type="radio"/> YES <input type="radio"/> NO	
(2) Is there an excessive amount of litter in the infiltration basin?	<input type="radio"/> YES <input checked="" type="radio"/> NO	
(3) Does there appear to be a significant amount of sediment accumulated in the infiltration basin?	<input type="radio"/> YES <input checked="" type="radio"/> NO	
(4) If the infiltration basin has water, is there an excessive amount of algae present?	<input type="radio"/> YES <input checked="" type="radio"/> NO	
(5) Does the inlet(s) have dry weather flow <sup>1</sup> ?	<input type="radio"/> YES <input checked="" type="radio"/> NO	
(6) If water is present, is there an odor?	<input type="radio"/> YES <input checked="" type="radio"/> NO	
(7) If water is present, is the water discolored?	<input type="radio"/> YES <input checked="" type="radio"/> NO	
(8) Is there evidence of erosion within the infiltration basin?	<input type="radio"/> YES <input checked="" type="radio"/> NO	
(9) Is there any other condition that appears to be abnormal?	<input type="radio"/> YES <input checked="" type="radio"/> NO	
(a) If <b>YES</b> is circled for any of the questions (2-9) above, provide a description of the condition, corrective action necessary and photo (if possible).		
<sup>1</sup> Dry weather flow = presence of flowing water when it has not rained within the last 48 hours.		

### SECTION G: GENERAL INSPECTION FINDINGS

(1) As part of this comprehensive site inspection, did you inspect all potential pollutant sources, including areas where industrial activity may be exposed to stormwater?	<input checked="" type="radio"/> YES <input type="radio"/> NO	Additional Comments/Notes
(a) If <b>NO</b> , describe why not		
(2) Did this inspection identify any stormwater or non-stormwater outfalls not previously identified in the SWPPP?	<input type="radio"/> YES <input checked="" type="radio"/> NO	Additional Comments/Notes
(a) If <b>YES</b> , for each location, describe the sources of those stormwater and non-stormwater discharges and any associated control measures in place		
(3) Did this inspection identify any sources of stormwater or non-stormwater discharges not previously identified in the SWPPP?	<input type="radio"/> YES <input checked="" type="radio"/> NO	Additional Comments/Notes

# Stormwater Industrial Facility Annual/Comprehensive Inspection Report

(a) If <b>YES</b> , describe the sources of stormwater or non-stormwater pollutants expected to be present in these discharges, and any control measures in place			
(4) Did you review stormwater monitoring data as part of this inspection to identify potential pollutant hotspots?	YES	NO	<input checked="" type="radio"/> N/A
(a) If <b>YES</b> , summarize the findings of that review and describe any additional inspection activities resulting from this review			
(5) Describe any evidence of pollutants entering the drainage system or discharging to surface waters, and the condition of and around outfalls, including flow dissipation measures to prevent scouring		Additional Comments/Notes	
<p>On the day of the inspection, potable water from an open water hose near the Administration Building (Building #6) was draining into the roadway and moving sediment into the unprotected inlet structure between Buildings #24 and #9. The sediment and erosion control issues were reported to the County's Environmental Compliance Section (ECS). They conducted an inspection, identified issues that required resolution by the construction contractor, and all issues were resolved.</p>			
(6) Have you taken or do you plan to take any corrective action, as specified in the permit, since your last annual report submission (or since you received authorization to discharge under this permit if this is your first annual report), including any correcting actions identified as a result of this annual comprehensive site inspection?		<input checked="" type="radio"/> YES	NO
(a) If <b>YES</b> , how many corrective actions?			
<p>This is the first annual inspection for this property so there are no corrective actions required from previous inspections. Recommended corrective actions are detailed on the inspection form and in the attached cover memo.</p>			





***ATTACHMENT F – Record of Significant Spills and Leaks,  
and Spill/Release Incident Forms***

Send a copy of all completed spill forms to the Division Director.

Completed spill forms shall be filed in this SWPPP and maintained as long as DUSWM operates the facility.

Copies of all forms and record keeping documents must be submitted to Jessica Seipp with WMS by December 31<sup>st</sup> of each year. She can be reached at 301.600.1350 or [jseipp@frederickcountymd.gov](mailto:jseipp@frederickcountymd.gov).

## SPILL NOTIFICATION FORM

<b>Part A: Basic Spill Data</b>			
<b>Type of Spilled Substance:</b>	<b>Notification Person:</b>		
<b>Quantity Released:</b>	<b>Spill Date and Time:</b>		
<b>Location of Spill:</b>	<b>Discovery Date and Time:</b>		
	<b>Spill Duration:</b>		
<b>Facility Name &amp; Location:</b> Ballenger-McKinney WWTP 7400 Marcies Choice Lane Frederick, MD 21704	<b>Release to:</b> <input type="checkbox"/> air <input type="checkbox"/> water <input type="checkbox"/> ocean <input type="checkbox"/> well <input type="checkbox"/> soil <input type="checkbox"/> sewer <input type="checkbox"/> containment <input type="checkbox"/> other: _____		
<b>Owner/Company Name:</b> Div. Of Utilities & Solid Waste Mgmt Frederick County Commissioners 12 E. Church St. Frederick, MD 21701	<b>Telephone:</b> Facility: (301) 600-5068		
<b>Nature of spill and any environmental or health effects:</b> <input type="checkbox"/> Injuries <input type="checkbox"/> Fatalities			
<b>Part B: Notification Checklist</b>			<b>Items from Spill Kit Used</b>
<b>Spill Type</b>	<b>Notification Date and Time</b>	<b>Name of Person that Received Call</b>	<b>Pads; Booms; Bags; Gloves</b>
<b>Spill is any amount of product:</b>			<b>Does Spill Kit need re-filled</b>
Bob Money (301) 600-3417 or (240) 285-0847			
Maryland Department of the Environment (24 hours) 866-633-4686 or (410) 974-3551			
<b>Spill reaches groundwater or surface water:</b>			
Maryland Department of the Environment (24 hours) 866-633-4686 or (410) 974-3551			
National Response Center 1-800-424-8802 Region III Response Center 215-814-9016			
<b>Spill greater than 1,000-gallons or second event of greater than 42 gallons released in 12-month period</b>			
William C. Early, Acting Regional Administrator U.S. EPA Region III 1650 Arch St (3PM52) Philadelphia, PA 19103-2029 (215) 814-5000 or (800) 438-2474			

Send a copy of this form to the Chief Operator. This form shall be filed by facility name and maintained as long as DUSWM operates the facility.



MARYLAND DEPARTMENT of the ENVIRONMENT  
1800 WASHINGTON BOULEVARD  
BALTIMORE, MARYLAND. 21230  
(410) 537-3000  
1-800-633-6101 (within Maryland)  
<http://www.mde.state.md.us>



State of Maryland  
Department of the Environment  
Emergency Response Division  
1800 Washington Blvd. Suite #105  
Baltimore, Maryland. 21230-1721




24 HOUR SPILL REPORTING  
(Toll Free) 1-866-633-4686  
EMERGENCY RESPONSE OFFICE  
(410) 537-3975  
RESPONSE OFFICE FACSIMILE  
(410) 537-3932


PURSUANT TO THE PROVISIONS OF STATE LAW AND REGULATION: (COMAR 26.10.01.03) "A PERSON DISCHARGING OR PERMITTING THE DISCHARGE OF OIL, OR WHO EITHER ACTIVELY OR PASSIVELY PARTICIPATES IN THE DISCHARGE OR SPILLING OF OIL, EITHER FROM A LAND BASED INSTALLATION, INCLUDING VEHICLES IN TRANSIT, OR FROM ANY VESSEL SHIP OR BOAT OF ANY KIND, SHALL REPORT THE INCIDENT IMMEDIATELY TO THE ADMINISTRATION." "THE REPORT OF AN OIL SPILL OR DISCHARGE SHALL BE MADE TO THE ADMINISTRATION IMMEDIATELY, BUT NOT LATER THAN TWO HOURS AFTER DETECTION OF THE SPILL." \*\*\* **FIRE DEPARTMENT PERSONNEL, SEE REVERSE** \*\*\*

ADC Map Coord \_\_\_\_\_ Date of spill: Mo. \_\_\_\_ / Day \_\_\_\_ / Yr. 20 \_\_\_\_ Time of spill: \_\_\_\_ : \_\_\_\_ : \_\_\_\_ Hours (24 hour clock)  
Fire Department Report No.: \_\_\_\_\_ Police Department Report No.: \_\_\_\_\_

Location of spill - Street address: _____ City / Town _____ MD County _____ Zip _____	Product Name: _____ (Indicate Gasoline, Diesel, Heating Oil, Chemical Name or UN ID etc.) Container Type: _____ (Indicate AST, UST, Transformer, Saddle Tank, Drum etc.)	<b>Capacity</b> of Vessel, Vehicle or Tank: _____ Gallons <b>Amount</b> <u>IN</u> Vessel, Vehicle or Tank: _____ Gallons Estimated <b>Amount Spilled</b> : _____ Gallons
--	---	--

Transportation Incident: _____ (Indicate Type of Auto, Truck, Train, Aircraft or Watercraft etc.) Fixed Facility Incident: _____ (Indicate Type of Industrial, Commercial, Residential etc.)	<input type="checkbox"/> Contained on Land <input type="checkbox"/> Entered Storm Drain or Ditch <input type="checkbox"/> Entered Sanitary Sewer <input type="checkbox"/> Is Below Ground <input type="checkbox"/> Entered surface waters: _____ 	Vehicle Tag Number and State: _____ DOT or ICC MC Number: _____ Hull Numbers and Name: _____
---	--	--

<b>Person(s) Responsible for Spill:</b> (Driver if Vehicle) Name: _____ Address: _____ City/State: _____ Zip: _____ Phone: _____ Drivers Lic.No. _____ State: _____	<b>Company Responsible for Spill:</b> (N/A if private citizen.) Name: _____ Address: _____ City/State: _____ Zip: _____ Phone: _____ Fed. Employer ID No. _____
--	--

Be Sure to Complete Both Sections  
  
Don't Forget to Sign Below

<b>Cause of Spill:</b> <input type="checkbox"/> Motor Vehicle Accident <input type="checkbox"/> Personnel Error/Vandalism <input type="checkbox"/> Tank/Container/Pipe Leak <input type="checkbox"/> Mechanical Failure <input type="checkbox"/> Transfer Accident <input type="checkbox"/> _____	<b>Identify All Groups that Participated in Spill Mitigation:</b> <input type="checkbox"/> Responsible Party <input type="checkbox"/> MDE ERD # _____ # _____ <input type="checkbox"/> Federal : _____ <input type="checkbox"/> State : _____ <input type="checkbox"/> Local : _____ <input type="checkbox"/> Contractor: _____	<b>Materials used <u>by You</u> to contain/clean-up spill:</b> Sorbent Dust: _____ Bags Sorbent Pads: _____ each or bales Sorbent Booms: _____ each or bales Sorbent Sweeps: _____ each or bales Overpack Drums : _____ ea. Steel or Poly Other: _____
---	--	--

Responsible Party : Describe circumstances contributing to the spill. (Additional space on back) [Optional for FD or Gov't Personnel]

Responsible Party : Describe Containment, Removal and Clean-up operations, including disposal. (Additional space on back) [Optional for FD or Gov't Personnel]

Responsible Party : Procedures, Methods and Precautions instituted to prevent recurrence of the spill. (Additional space on back) [Optional for FD or Gov't Personnel]

THE UNDERSIGNED CERTIFIES THAT THE INFORMATION PROVIDED IS TRUE AND CORRECT TO THE BEST OF HIS OR HER KNOWLEDGE AT THE TIME THE REPORT WAS COMPLETED.

Print Name: \_\_\_\_\_ Company or Fire Department: \_\_\_\_\_  
Address : \_\_\_\_\_ City / State / Zip \_\_\_\_\_  
Telephone \_\_\_\_\_ Signature \_\_\_\_\_



Print Name: \_\_\_\_\_ Company or Fire Department: \_\_\_\_\_  
Address : \_\_\_\_\_ City / State / Zip \_\_\_\_\_  
Telephone \_\_\_\_\_ Signature \_\_\_\_\_

***ATTACHMENT G – Records of Training Curriculum and  
Student Attendance Forms***



Signed student training attendance forms shall be filed in this SWPPP and maintained as long as DUSWM operates the facility.

Copies of all forms and record keeping documents must be submitted to Jessica Seipp with WMS by December 31<sup>st</sup> of each year. She can be reached at 301.600.1350 or [jseipp@frederickcountymd.gov](mailto:jseipp@frederickcountymd.gov).

**STORMWATER POLLUTION PREVENTION PLAN (SWPPP) TRAINING COURSE  
SIGN IN SHEET**

**(Date/Time)** \_\_\_\_\_

	<b>PRINT NAME</b>	<b>JOB TITLE</b>	<b>FACILITY/LOCATION</b>	<b>TITLE</b>
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				

**STORMWATER POLLUTION PREVENTION PLAN (SWPPP) TRAINING COURSE  
SIGN IN SHEET**

**(Date/Time)** \_\_\_\_\_

	<b>PRINT NAME</b>	<b>JOB TITLE</b>	<b>FACILITY/LOCATION</b>	<b>TITLE</b>
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

## ANNUAL STORMWATER POLLUTION PREVENTION PLANNING (SWPPP) TRAINING



June 2012

Advanced Module



## Why do you have to be here?



- Because your facility operates under a **General Discharge Permit for Stormwater Associated with Industrial Activities**.
  - "General Discharge Permit"

2

## Why do you have to be here?



More specifically:

- Under 2d of **Section E** of Frederick County's **Municipal Separate Storm Sewer System (MS4)** Permit the County must identify all county-owned facilities requiring a **NPDES discharge permit** and submit documentation that a permit has been obtained for each facility.

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## 2 options for County Ind. Facilities



- All County owned "industrial facilities" must submit a Notice of Intent (NOI) that a permit has been applied for or apply for **No Exposure Certification**
- All permitted facilities not eligible for No Exposure Certification must then develop a **Stormwater Pollution Prevention Plan (SWPPP)**.

4

## No Exposure?

- No exposure of any of the operations at the facility to PRECIPITATION.

C. Exposure Checklist		
Are any of the following materials or activities exposed to precipitation, now or in the foreseeable future? (Please check either "Yes" or "No" in the appropriate box.) If you answer "Yes" to any of these questions (1) through (8), you are not eligible for the no exposure exclusion.		
1. Using, storing or cleaning industrial machinery or equipment, and areas where residuals from using, storing or cleaning industrial machinery or equipment remain and are exposed to storm water	Yes	No
2. Materials or residuals on the ground or in storm water intakes from spills/leaks	<input type="checkbox"/>	<input type="checkbox"/>
3. Materials or products from past industrial activity	<input type="checkbox"/>	<input type="checkbox"/>
4. Material handling equipment	<input type="checkbox"/>	<input type="checkbox"/>
5. Materials or products during loading/unloading or transporting activities	<input type="checkbox"/>	<input type="checkbox"/>
6. Materials or products stored outdoors (except final products intended for outside use [e.g., new cars] where exposure to storm water does not result in the discharge of pollutants)	<input type="checkbox"/>	<input type="checkbox"/>
7. Materials contained in open, deteriorated or leaking storage drums, barrels, tanks, and similar containers	<input type="checkbox"/>	<input type="checkbox"/>
8. Materials or products handled/stored on roads or railways owned or maintained by the discharger	<input type="checkbox"/>	<input type="checkbox"/>
9. Waste material (except waste in covered, non-leaking containers)	<input type="checkbox"/>	<input type="checkbox"/>
10. Application or disposal of process wastewater (unless otherwise permitted)	<input type="checkbox"/>	<input type="checkbox"/>
11. Particulate matter or visible deposits of residuals from roof stacks and/or vents not otherwise regulated (i.e., under an air quality control permit) and evident in the storm water outflow	<input type="checkbox"/>	<input type="checkbox"/>

5

## Industrial Activities? Who me!?

- transportation facilities
  - (but only those who do vehicle maintenance)
- sewage treatment plants designed for over 1.0 MGD
- landfills
- recycling facilities
- etc.
- Considered INDUSTRIAL....

6

## 14 Industrial Frederick County Facilities

- 14 county facilities covered by a permit
- 1 was able to get no-exposure certified.
  - Green Valley Fire-Rescue Station
- The remaining 13 have developed SWPPPs
  - **Fleet Maintenance:** LEC, TransIT, FCPS Hayward Rd, 331 Montevue,
    - Satellite yards: Johnsville, Thurmont, Urbana, Myersville, Jefferson
  - **WWTPs:** Ballenger Creek, New Market, Jefferson
  - **Landfill:** Reichs Ford

7

## Versar's 2011-2012 Audit



- 6 month audit to identify all County industrial facilities & get them into compliance
- Versar and Sustainability & Environmental Resources Office wrote 13 SWPPPs.
- Culminated in an EPA audit in May!

8

## What is stormwater?



- Stormwater is defined as precipitation runoff, surface runoff and drainage, street runoff and snow melt runoff.

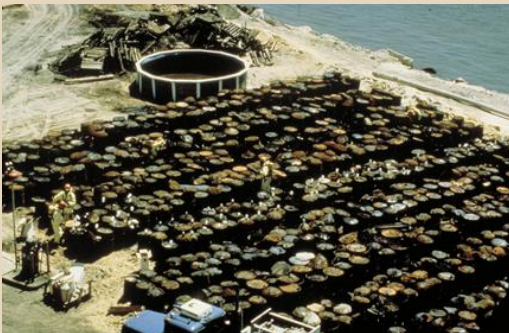
11

## What's Wrong With This Picture?



10

## What's Wrong With This Picture?



11

## Typical Stormwater Pollutants

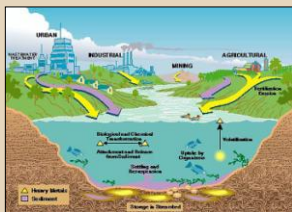
- Petroleum (oil, grease)
- Cooking grease/oils
- Sediment (soil)
- Salt
- Trash and debris
- De-icing fluids and coolants (glycols)
- Fertilizers, Herbicides, and Pesticides
- Fecal bacteria (pet & human feces)



12

## POTENTIAL EFFECTS

- Human health
  - Direct ingestion during recreation activities
  - Food chain
- Environmental
  - Benthic invertebrates
  - Fish
  - Birds
- Aesthetics
  - Odor
  - Visual (e.g., scums, sheens, etc.)
  - Garbage



13

## 6 Typical Pollution Sources at Industrial Facilities

1. Loading and Unloading Operations
2. Outdoor Storage
3. Outdoor Process Activities
4. Dust or Particulate Generating Processes
5. Illicit Connections and Non-Stormwater Discharges
6. Waste Management

-EPA

14

Uh oh!

Forklift + distracted driver + 55 gallon drum = STORMWATER POLLUTION



15

## ENVIRONMENTAL REGULATIONS



16

## Acronyms

- MS<sub>4</sub> = Municipal Separate Storm Sewer System
- NPDES = National Pollutant Discharge Elimination System

17

## Municipal Separate Storm Sewer System

- An MS<sub>4</sub> is a conveyance or system of conveyances that is:
  - Owned by a state, city, town, village, or other public entity that discharges to waters of the U.S.;
  - Designed or used to collect or convey stormwater (including storm drains, pipes, ditches, etc.);
  - Not a combined sewer; and
  - Not part of a Publicly Owned Treatment Works (sewage treatment plant).

18

## NPDES

- As authorized by the Clean Water Act, the National Pollutant Discharge Elimination System (NPDES) permit program **controls water pollution** by regulating point sources that discharge pollutants into waters of the United States.
  - MS4s are considered point-sources of pollution!

19

## It all starts with the CWA...sorta

- 1972 Federal Water Pollution Control Act (FWPCA)
  - No more point source pollution discharges into navigable waters!
  - It required permit to discharge wastes to public resources



20

## The "real" Clean Water Act



- Law suit by NRDC against EPA in 1976 for lack of adequate effluent standards led to amendments to FWPCA

...which came to be known as the CWA of 1977!

21



## CWA becomes WQA in 1987

- Water Quality Act (WQA)
- WQA treated certain **stormwater** discharges as "point source pollution"
- WQA established new schedules for **industrial & municipal stormwater** discharges into U.S. waters
- Establishes the **NPDES for stormwater**.

National Pollutant Discharge Elimination System



23





- 1991 -The U.S. EPA starts its Stormwater Program
- 1992 – Industrial Facilities required to implement a stormwater pollution prevention program



25

## Allowable Non-SW Discharges

(MD 2008 MSGP, 1.1.3)

The following are the non-stormwater discharges authorized under this permit, provided the non-stormwater component of your discharge is in compliance with Part 2.1.2.10:

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- Fire hydrant flushings;
- Potable water, including water line flushings;
- Uncontaminated condensate from air conditioners, coolers, and other compressors and from the outside storage of refrigerated gases or liquids;
- Irrigation drainage;
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**NOT MANY!**

26

Are you allowed to wash this equipment outdoors?

**POP QUIZ!**

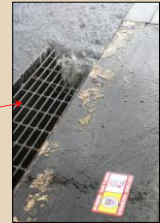


27

## Stormwater Pollution Prevention Plans (SWPPP)



Oil leak at TransIT



28

## What is a SWPPP?



- SWPPP = Stormwater Pollution Prevention Plan
- A site-specific, written document that:
  1. Identifies potential sources of stormwater pollution at the industrial facility;
  2. Describes stormwater control measures that are used to reduce or eliminate pollutants in stormwater discharges from the industrial facility; &
  3. Identifies procedures the operator will use to comply with the terms and conditions of the General Discharge Permit.

**Sometimes called a "P2 Plan"**

29

## TYPICAL ACTIVITIES SUBJECT TO OVERSIGHT

Anything done outside and exposed to rain/snow:

- Fueling
- Maintaining Vehicles and Equipment
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- Salt Storage
- Dumpsters
- Soil/compost/sand stockpiles



30

## What is a SWPPP, really?

It's really 2 things

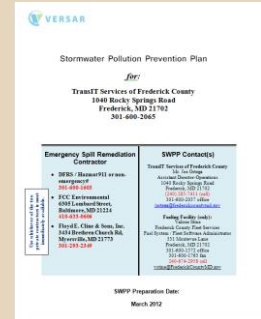
1. The paper PLAN
1. The implementation of procedures and behaviors



31

## Stormwater Pollution Prevention Plan Includes:

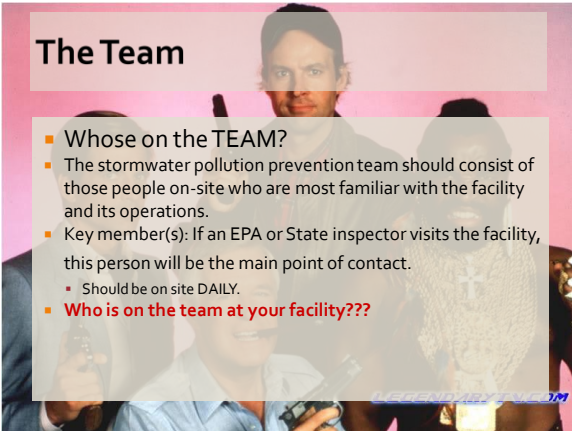
- Stormwater Pollution Prevention Team
- Site Plan
- Inventory Materials Exposed to Stormwater
- Implement Best Management Practices
- Employee Training Requirements
- Monthly Site Inspections
- Annual Site Assessment
- Spill Response Procedures



32

## The Team

- Whose on the TEAM?
- The stormwater pollution prevention team should consist of those people on-site who are most familiar with the facility and its operations.
- Key member(s): If an EPA or State inspector visits the facility, this person will be the main point of contact.
  - Should be on site DAILY.
- Who is on the team at your facility???



## The Team

- Are you "qualified"?
- EPA defines qualified personnel as "those who possess the knowledge and skills to assess conditions and activities that could impact stormwater quality at your facility, and who can also evaluate the effectiveness of control measures."

34

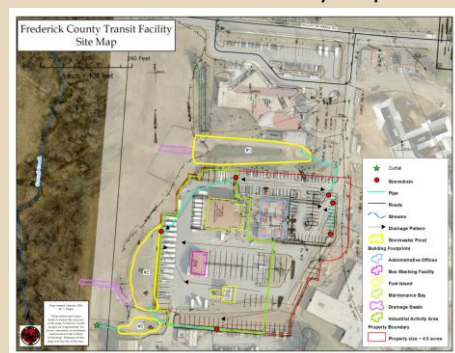
## The Team

- Each member of the stormwater pollution prevention team should have ready access to either an electronic or paper copy of applicable portions of the industrial stormwater general permit and the SWPPP.

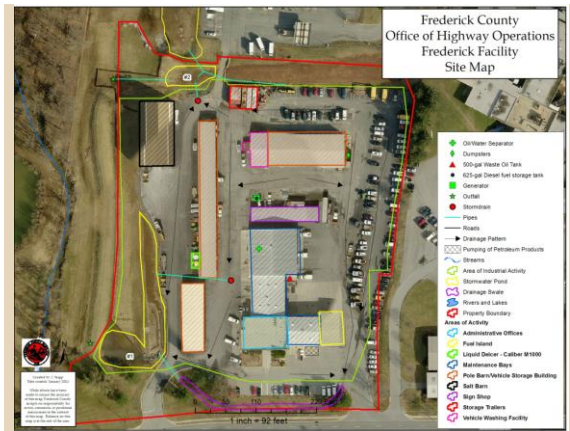
1.3 Stormwater Pollution Prevention Team	
Staff Names	Individual Responsibilities
SWPPP Team Leader #1 Bill Routzahn - Superintendent Highway Operations	<ul style="list-style-type: none"> <li>• SWPPP team leader and emergency contact, with focus on all vehicles and equipment stored and operated on site having to do with Highway Operations, including salt team activities.</li> </ul>
Donner Crum, Assistant Superintendent Highway Operations	<ul style="list-style-type: none"> <li>• Planning and supervision of all pollution prevention activities related to this SWPPP.</li> <li>• Custodian of SWPPP and adds records and updates as necessary as a result of major changes in the facility's design, construction, operation, or maintenance.</li> <li>• Does Routine and Annual Comprehensive site inspections.</li> </ul>

5

## The SPCC Plan Facility Map



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## Materials Inventory

PRODUCT	BRAND
OMNI AE Hardener	PPG
OMNI Medium Reducer	PPG
OMNI Pak Master Blend	Sherrin Williams
Oxygen Tank	Energies
P68 Primer	IPS Corporation
Painters Touch Paint	Silco
Polyurethane Sealant	Sikaflex 1A
Propane	Berna-O-matic
PVC Pipe Cement	IPS Corporation
Quik Color	Rust-O-leum
Red Grease	Berkelbile Oil
Ronex MP Grease	ExxonMobil

(1) 275-gallon automotive transmission (ATF) fluid tank (indoors at truck repair shop)  
 (1) 275-gallon new motor oil tank (indoors at truck repair shop)  
 (1) 275-gallon hydraulic oil tank (indoors at truck repair shop)  
 (1) 250-gallon waste oil tank (inside light duty repair shop)  
 (1) 500-gallon used motor oil tank (outside of truck repair shop)  
 (1) 625-gallon diesel (outside of diesel generator)  
 (1) 8000-gallon Caliber magnesium chloride solution (outdoors adjacent to salt barn)  
 (1) 5000-gallon Caliber magnesium chloride solution (outdoors adjacent to salt barn)

38

### Typical Facility Best Management Practices (BMPs)

- Good Housekeeping
- Preventive Maintenance
- Visual Inspections
- Spill Prevention and Response
- Sediment and Erosion Control
- Management of Stormwater Runoff



39

### "Structural" BMPs

- Double-Walled Tanks
- Secondary Containment



40

## Good Housekeeping

1. EPA expects you to set an example for the private sector.
  2. EPA expects you to set an example for the private sector.
  3. EPA expects you to set an example for the private sector.
- Specific good housekeeping practices vary by facility...

41

## Good Housekeeping



- Regular pickup and disposal of waste materials and scrap equipment;
- Maintenance of clean work spaces;
- Routine inspections for leaks and of the condition of tanks, vehicles and containers;
- Routine inspections to make sure that industrial materials are properly stored and labeled;
- A schedule for sweeping paved areas and floors, including who will perform the sweeping (employee or contractor);
- The individual or position responsible for emptying drip pans placed beneath leaking equipment, valves, and fill lines.

42

## Employee Training

- All employees from a facility, once per year and all new hires upon entering workforce.

43

## Top 10 Common Compliance Failures at Industrial Facilities



44

1. No SWPPP
2. Control measures described in SWPPP not used
3. No SWPPP on-site
4. SWPPP not signed
5. Stormwater pollution prevention team not up-to-date
6. On-site staff not familiar with SWPPP
7. Improper collection of visual assessment samples.
8. Uncovered dumpsters
9. Poor employee/contract staff training
10. Inspection or monitoring records are not kept with the SWPPP



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## PENALTIES

(2008 MD MSGP)



**Civil Penalties** Violations of permit conditions = fine of \$27,500 per day for each violation

### Criminal Penalties

- Any person who **negligently** violates...is subject to a fine of not less than \$2,500 - \$25,000 per day of violation, or by imprisonment for not more than one (1) year, or by both.
- Any person who **knowingly** violates...is subject to a fine of not less than \$5,000 - \$50,000 per day of violation, or by imprisonment for not more than three (3) years, or by both.
- Any person who **knowingly** violates...and who knows at that time that he thereby places another person in **imminent danger of death** or serious bodily injury, is subject to a fine of not more than \$250,000 or imprisonment of not more than fifteen (15) years, or both.
  - Corporation subject to fine of \$1 Million.

46

## Spill Response and Notification

47

1. Minor vs. Major Spills
2. Response and Notification



48

## Minor Spills

- Minor spills are considered to be those of **less than 5-gallons** which pose no significant harm to human health or the environment and have not entered the storm sewer system, stormwater pond, water body or the groundwater table.



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## Minor Spill Response Procedures

- Stop leaks
  - Roll drums upright (hole pointing up)
  - Turn off process
  - Shut pipe valves
- Contain spills
  - Booms, pads, sand, dirt
- Divert runoff from spills away from storm drain inlets
- Patch leaks – temporary patch until a permanent solution is applied
- Recover/remove contaminated materials



50

## Minor Spill Notification

- All minor spills must be documented by the SWPPP Team members or other designated personnel using the Spill/Release Incident Form (Attachment F)
- Keep the original filled spill form in the SWPPP.
  - A copy of filled spill form must be sent to the Superintendent.
  - A copy of the filled spill form is sent to MDE.

51

## MDE Reporting Requirements

- COMAR 26.10.01.03
- All oil spills onto **land or water**, including oil spills from vehicles, ships, boats, or vessels of any kind, must be reported to MDE immediately by phone (but not later than **2 hours** after detection).
- MDE requires written report as well within 10 days of clean up.
- No volume threshold for reporting.

52

53

## Major Spills

- Major** spill is considered an emergency. It is a spill that cannot be safely contained by staff or cleaned up and/or has made its way into the storm sewer system, stormwater pond, waterbody or groundwater table or is a threat to human health.

54



## Major Spill continued

1. The discharge is large enough to spread beyond the immediate discharge area;
2. The discharged material enters a storm drain or stream, lake;
3. The discharge requires special equipment or training to cleanup; and/or
4. The discharged material poses a hazard to human health or safety.



55

## CALL THE CONTRACTOR!

The county has a contract with the following emergency response contractors.

- **DFRS / Hazmat**  
911 or non-emergency#  
301-600-1603
- **FCC Environmental**  
6305 Lombard Street, Baltimore  
410-633-0606
- **Floyd E. Cline & Sons, Inc.**  
3434 Brethren Church Rd, Myersville  
301-293-2349



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## Major Spill Notification

- All major spills must be documented by the Stormwater Pollution Prevention Team members or other designated personnel using the Spill/Release Incident Form (Attachment F)
- SWPPP team leader or whomever is on site will contact BOTH:

1. • **MARYLAND DEPARTMENT OF THE ENVIRONMENT**  
• 1-(866) 633-4686, available on a 24-hour basis.
2. • **NATIONAL RESPONSE CENTER**  
• 1-(800) 424-8802, available on a 24-hour basis.

- Keep original filled form in the SWPPP folder.
- A copy of filled form must be sent to the Superintendent.
- A copy is mailed to MDE within ten days.

57

## N.R.C. Oil Spill Reporting Requirements:

1. Violate applicable water quality standards;
2. Cause a film or "**sheen**" upon, or discoloration of the surface of the water or adjoining shorelines; or
3. Cause a sludge or emulsion to be deposited beneath the surface of the water or upon adjoining shorelines

- NRC is the federal government's centralized reporting center, which is staffed 24 hours per day by U.S. Coast Guard personnel.

58

## MDE Reporting Requirements

- All oil spills onto land or water, including oil spills from vehicles, ships, boats, or vessels of any kind, must be reported to MDE immediately (but not later than 2 hours after detection).
- MDE requires both verbal and written reports.
- No volume threshold mentioned.

59

[illegible]

60

# Quarterly (Routine) & Annual Site Inspections

61

## SWPPP MONTHLY INSPECTIONS

General Information		
Facility Name	TransIT Services of Frederick County	
NFBES Tracking No.	MDE Permit 02SW1858	
Date of Inspection	Start/End Time	
TransIT Inspector's Name(s)	Fleet Services Inspector's Name(s)	
TransIT Inspector's Title(s)	Fleet Services Inspector's Title(s)	
TransIT Inspector's Contact Information	Fleet Services Inspector's Contact Information	
Weather Information		
Weather at time of this inspection? <input type="checkbox"/> Clear <input type="checkbox"/> Cloudy <input type="checkbox"/> Rain <input type="checkbox"/> Snow <input type="checkbox"/> Fog <input type="checkbox"/> High Winds Temperature: _____		
Have any previously unidentified discharges of pollutants occurred since the last inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: _____		
Are there any discharges occurring at the time of inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: _____		

62

## SWPPP MONTHLY INSPECTIONS

### Control Measures

The structural stormwater control measures identified in your SWPPP on your site map are listed below. Carry a copy of the numbered site map with you during your inspections. This list will ensure that you are inspecting all required control measures at your facility. Describe corrective actions initiated, date completed, and note the person that completed the work in the Corrective Action Log.

To be completed by TransIT staff			
Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Corrective Action Needed and Notes (Identify needed maintenance and repairs, or any failed control measures that need replacement)
1 Stormwater Pond #1	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
2 Stormwater Pond #2	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	
3 Stormwater Pond #3	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Maintenance <input type="checkbox"/> Repair <input type="checkbox"/> Replacement	

63

## SWPPP MONTHLY INSPECTIONS

Areas of Industrial Materials or Activities exposed to stormwater  
Below is a list of areas that should be assessed during the facility's routine inspections

Area/Activity	Inspected?	Controls Adequate (segregation, off-site, and spraying)?	Corrective Action Needed and Notes
PUS MAINTENANCE FACILITY (to be completed by Fleet Services staff)			
1a Spills and Leaks: Is there evidence of spills/leaks (e.g., staining on ground, odor)?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Have any spills/leaks been recorded for this area since the last inspection? If yes, were they addressed and reported promptly?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
1b Material Exposure: Are any materials, drums, containers, or spills exposed to stormwater? If yes, are they properly sealed/covered?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
1c Used Materials: Are all materials properly stored and covered in accordance with the SWPPP?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
2a Spills and Leaks: Is there evidence of spills/leaks (e.g., staining on ground, odor)?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Have any spills/leaks been recorded for this area since the last inspection? If yes, were they addressed and reported promptly?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Inspection by activity...

64

## SWPPP MONTHLY INSPECTIONS

Non-Compliance	
Describe any incidents of non-compliance observed and not described above:	

65

## SWPPP MONTHLY INSPECTIONS

Additional Control Measures
Describe any additional control measures needed to comply with the permit requirements:

66



## SWPPP MONTHLY INSPECTIONS

67

## SWPPP ANNUAL INSPECTIONS

- Generic form currently being customized for each facility.
- More comprehensive than quarterly form inspection.
  - Might include:
    - Integrity testing of containment vessels with results documented.
    - Suggested modifications of behaviors or stormwater BMPs to better handle recurring spills
    - Updating SWPPP to reflect changes at facility, new buildings, new activities etc.

68

## SWPPP ANNUAL INSPECTIONS

- **Original stays on site in the SWPPP.**
- Copies of all forms and record keeping documents must be submitted to Jessica Seipp with WMS by December 31<sup>st</sup> of each year.
- She can be reached at 301.600.1350 or [jseipp@frederickcountymd.gov](mailto:jseipp@frederickcountymd.gov).

69

## RECORD KEEPING...



70

## Record Keeping

- Document your compliance!!!
  - permits,
  - inspections,
  - maintenance,
  - monitoring,
  - corrective actions,
  - spills,
  - secondary containment failures,
  - trainings & curriculum
- It all must go in the on-site SWPPP!

71

## Record Keeping

## Collage of Violations



## QUESTIONS AND ANSWERS?



74

THE END

75

## ANNUAL STORMWATER POLLUTION PREVENTION PLANNING (SWPPP) TRAINING



June 2012

All Employees



## Why do you have to be here?



- Because your facility operates under a ***General Discharge Permit for Stormwater Associated with Industrial Activities.***
  - "General Discharge Permit"

2

## Industrial Activities? Who me!?

- transportation facilities
  - (but only those who do vehicle maintenance)
- sewage treatment plants designed for over 1.0 MGD
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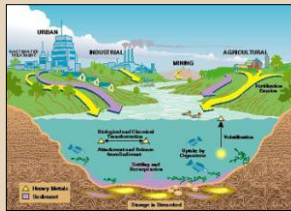
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331 Montevue



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**sometimes called a "P2 Plan"**

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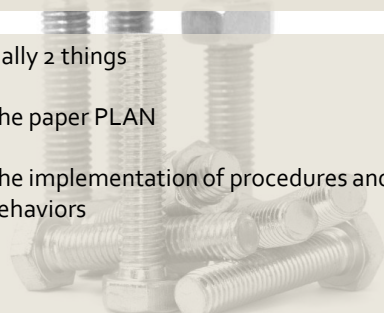


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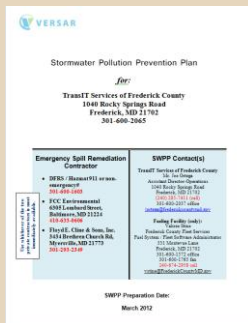


18



## Stormwater Pollution Prevention Plan Includes:

- Stormwater Pollution Prevention Team
- Site Plan
- Inventory Materials Exposed to Stormwater
- Implement Best Management Practices
  - Includes Good Housekeeping**
- Employee Training Requirements
- Monthly Site Inspections
- Annual Site Assessment
- Spill Response Procedures



19

## Good Housekeeping

- EPA expects you to set an example for the private sector.
- EPA expects you to set an example for the private sector.
- EPA expects you to set an example for the private sector.
- You are the government and you are expected to set an example for all to follow.

20

## Good Housekeeping



- Specific good housekeeping practices vary by facility...

Some examples:

- Regular pickup and disposal of waste materials and scrap equipment;
- Maintenance of clean and orderly work spaces;
- All small mechanical equipment and related chemicals necessary for their operation as well as small gasoline containers are kept indoors.
- Salt is kept within confines of salt barn at all times when active deliveries aren't being made or salt spreader loading isn't occurring.

21

## Good Housekeeping

- Place drip pans beneath leaking equipment, valves, and fill lines.
- Sediment and floatables on paved parking areas is regularly swept to minimize loading to stormwater infiltration pond.
- All used parts are drained of fluids prior to disposal.
- Batteries and other significant materials are stored inside.
- Staff clean up leaks, drips, and other spills using dry methods. NEVER WATER or DETERGENTS.
- Etc. etc. etc.

22

## Collage of Violations



## Employee Training

- All employees from a facility, once per year and all new hires upon entering workforce.

24

## Top 10 Common Compliance Failures at Industrial Facilities



25



1. No SWPPP
2. Control measures described in SWPPP not used
3. No SWPPP on-site
4. SWPPP not signed
5. Stormwater pollution prevention team not up-to-date
6. On-site staff not familiar with SWPPP
7. Improper collection of visual assessment samples.
8. Uncovered dumpsters
9. Poor employee/contract staff training
10. Inspection or monitoring records are not kept with the SWPPP

26

## Spill Response and Notification

27

### Chain of Command

- Report all spills or leaks to the SWPPP Team Leader immediately.
- You may not walk away from a spill or active leak.
- Your SWPPP Team Leader or one of the other SWPPP team members will fill out the spill reporting form with your input.
  - A SWPPP team leader will contact National Response Center and/or MDE to report spills.

28

### Chain of Command

- If you are the only one on-site during a MAJOR SPILL contact 911 or the Emergency Spill Contractors.
- You must remain on-site until the Fire Department, or MDE gives you permission to leave the site of the spill.

29

1. Minor vs. Major Spills
2. Response and Notification



30



## Minor Spills

- Minor spills are considered to be those of **less than 5-gallons** which pose no significant harm to human health or the environment and have not entered the storm sewer system, stormwater pond, water body or the groundwater table.



31

## Minor Spill Response Procedures

- Stop leaks
  - Roll drums upright (hole pointing up)
  - Turn off process
  - Shut pipe valves
- Contain spills
  - Booms, pads, sand, dirt
- Divert runoff from spills away from storm drain inlets
- Patch leaks – temporary patch until a permanent solution is applied
- Recover/remove contaminated materials



32

## Minor Spill Notification

- All minor spills must be documented by the SWPPP Team members or other designated personnel using the Spill/Release Incident Form (Attachment F)
- Keep the original filled spill form in the SWPPP.
  - A copy of filled spill form must be sent to the Superintendent.
  - A copy of the filled spill form is sent to MDE.

33

## MDE Reporting Requirements

- COMAR 26.10.01.03
- All oil spills onto **land or water**, including oil spills from vehicles, ships, boats, or vessels of any kind, must be reported to MDE immediately by phone (but not later than **2 hours** after detection).
- MDE requires written report as well within 10 days of clean up.
- No volume threshold for reporting.

34

The form is titled 'Spill/Release Incident Form' and is part of the 'State of Maryland Department of the Environment Emergency Response Division'. It contains various fields for reporting a spill, including:
 

- Location of Spill/Release:** City/Town, MD County, ZIP, and a section for 'Transportation Incident'.
- Cause of spill:** A section for 'Cause of Spill' with checkboxes for 'Spill from Vehicle', 'Spill from Container', 'Spill from Pipeline', 'Spill from Other', and 'Spill from Unknown Source'.
- Detailed Description:** A section for 'Detailed Description' with checkboxes for 'Spill from Vehicle', 'Spill from Container', 'Spill from Pipeline', 'Spill from Other', and 'Spill from Unknown Source'.
- Signature:** A section for 'Signature' with a line for the signature and a line for the name.
- Notification Numbers:** A section for 'Notification Numbers' with a line for the number.
- Amount Spilled/Released:** A section for 'Amount Spilled/Released' with a line for the amount.
- Cleanup Procedure:** A section for 'Cleanup Procedure' with a line for the procedure.

35

## Major Spills

- Major** spill is considered an emergency. It is a spill that cannot be safely contained by staff or cleaned up and/or has made its way into the storm sewer system, stormwater pond, waterbody or groundwater table or is a threat to human health.

36

## Major Spill continued

1. The discharge is large enough to spread beyond the immediate discharge area;
2. The discharged material enters a storm drain or stream, lake;
3. The discharge requires special equipment or training to cleanup; and/or
4. The discharged material poses a hazard to human health or safety.



37

## CALL THE CONTRACTOR!

The county has a contract with the following emergency response contractors.

- **DFRS / Hazmat**  
911 or non-emergency#  
301-600-1603
- **FCC Environmental**  
6305 Lombard Street, Baltimore  
410-633-0606
- **Floyd E. Cline & Sons, Inc.**  
3434 Brethren Church Rd, Myersville  
301-293-2349



38

## Major Spill Notification

- All major spills must be documented by the Stormwater Pollution Prevention Team members or other designated personnel using the Spill/Release Incident Form (Attachment F)
- SWPPP team leader or whomever is on site will contact BOTH:

1.

• MARYLAND DEPARTMENT OF THE ENVIRONMENT  
• 1-(866) 633-4686, available on a 24-hour basis.

2.

• NATIONAL RESPONSE CENTER  
• 1-(800) 424-8802, available on a 24-hour basis.

- Keep original filled form in the SWPPP folder.
- A copy of filled form must be sent to the Superintendent.
- A copy is mailed to MDE within ten days.

39

## N.R.C. Oil Spill Reporting Requirements:

1. Violate applicable water quality standards;
2. Cause a film or "sheen" upon, or discoloration of the surface of the water or adjoining shorelines; or
3. Cause a sludge or emulsion to be deposited beneath the surface of the water or upon adjoining shorelines

- NRC is the federal government's centralized reporting center, which is staffed 24 hours per day by U.S. Coast Guard personnel.

40

## MDE Reporting Requirements

- All oil spills onto land or water, including oil spills from vehicles, ships, boats, or vessels of any kind, must be reported to MDE immediately (but not later than 2 hours after detection).
- MDE requires both verbal and written reports.
- No volume threshold mentioned.

41

Location of Spill/Release	State of Maryland Department of the Environment Emergency Response Division 1001 Washington Blvd, Suite 400 Baltimore, Maryland 21201-2121 Phone: (410) 535-7300	Notification Numbers
Cause of spill	Date of spill: ____/____/____ Time of spill: ____:____ Product Name: _____ Container Type: _____ Quantity: _____ Location: _____ Spill Type: _____ Spill Description: _____ Spill Cause: _____ Spill Impact: _____ Spill Response: _____ Spill Cleanup: _____ Spill Prevention: _____ Spill Investigation: _____ Spill Reporting: _____ Spill Documentation: _____ Spill Follow-up: _____ Spill Review: _____ Spill Training: _____ Spill Awareness: _____ Spill Prevention: _____ Spill Response: _____ Spill Cleanup: _____ Spill Prevention: _____ Spill Investigation: _____ Spill Reporting: _____ Spill Documentation: _____ Spill Follow-up: _____ Spill Review: _____ Spill Training: _____ Spill Awareness: _____	Amount Spilled/Released
Detailed Description	Detailed Description of the spill, including the location, quantity, and impact of the spill.	Cleanup Procedure
Signature	Signature of the person reporting the spill.	

42

## A woman with blonde hair, wearing a blue blazer over a white top, sits behind a dark wooden desk. She is looking directly at the camera with a weary expression. The desk is completely buried under a massive, chaotic pile of papers, forms, and documents that reach up to the ceiling. More papers are scattered all over the floor in front of the desk. The background is a plain, light-colored wall.

- **Document your compliance!!!**
  - permits,
  - inspections,
  - maintenance,
  - monitoring,
  - corrective actions,
  - spills,
  - secondary containment failures,
  - trainings & curriculum
- It all must go in the on-site SWPPP!

44

# RECORD OF TRAINING ACTIVITIES

Date: \_\_\_\_\_

Employee Name	Title	Phone Number	Signature

TOPIC NO.

## ANNUAL SITE EVALUATION FORM

**Site:** Carroll County Regional Airport **Date:** \_\_\_\_\_

**Facility Category:** \_\_\_\_\_  
**Activity Area:** \_\_\_\_\_

Obs:

### ROUTINE INSPECTION FORM

Any changes to the inspection? ☐  
 Any changes to the inspection? ☐  
 Any changes to the inspection? ☐  
 Any changes to the inspection? ☐

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Any changes to the inspection? ☐  
 Any changes to the inspection? ☐  
 Any changes to the inspection? ☐

**Site:** Carroll County Regional Airport

**Inspector:** \_\_\_\_\_

**Activity Area:** \_\_\_\_\_

**Observations:** \_\_\_\_\_

**Actions Needed:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

**Comments:** \_\_\_\_\_

**Remarks:** \_\_\_\_\_

**Notes:** \_\_\_\_\_

**Other:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

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**Date:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_

State of Maryland - Department of the Environment  
 Technical and Regulatory Services Administration

Emergency Response Unit

One telephone 410-537-3970 Fax 410-537-3970

One telephone 410-537-3970 Fax 410-537-3970

One telephone 410-537-3970 Fax 410-537-3970

One telephone 410-537-3970 Fax 410-537-3970

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One telephone 410-537-3970 Fax 410-537-3970

THE END

46



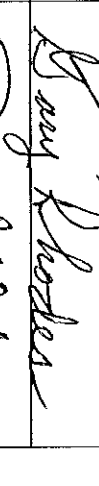
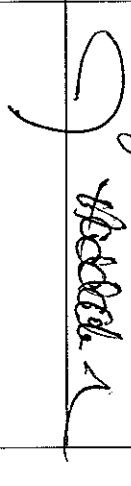
INSTRUCTOR: ALEX BOARDS/VOLLEE SINE LOCATION: TRANSIT

FREDERICK COUNTY

ANNUAL REFRESHER SWPP AND SPC TRAINING

SIGN IN SHEET

(Date/Time) 6/19/12 8:30-11:30 - 2

	PRINT NAME	TITLE	DIVISION AND FACILITY YOU WORK AT	SIGNATURE
1	Phil Harris	Superintendent	DSWM	
2	Dwayne A Runkles	Operator	DSWM	
3	Gary L Rhodes	Operator	DSWM	
4	James W. Haddock Jr.	Operator	DSWM	
5				
6				
7				
8				
9				
10				
11				
12				
13				

DSWM

INSTRUCTOR: ALEX REARD/VANCE STONE

LOCATION: LANDFILL

## FREDERICK COUNTY

## ANNUAL REFRESHER SWPP AND SPC TRAINING

## SIGN IN SHEET

(Date/Time) 6/20/12 8<sup>30</sup>-11, 12<sup>30</sup>-2 & 3<sup>30</sup>-4

PRINT NAME	TITLE	DIVISION AND FACILITY YOU WORK AT	SIGNATURE
1 Tim BOSTMAN	LANDFILL FOREMAN	DUSUM / LANDFILL	Tim Bostman
2 David OGC	Recycling SOP	DUSUM / LANDFILL	David OGC
3 Gordo Haines	Landfill / Resource Worker / Landfill	DUSUM / LANDFILL	Gordo Haines
4 Dale Bedene	Superintendent Reg. Compliance Dept Head	DUSUM	Dale Bedene
5 Mark Schweitzer		DUSUM	Mark Schweitzer
6 Ken Hant	Chief Operator	DUSUM	Ken Hant
7 Ray Hughes	Asst. Chief Operator	DUSUM	Ray Hughes
8 Bryan Stittely	Landfill Ops Supervisor	DUSUM	Bryan Stittely
9 - Wait Poffenbarger	Operator	DUSUM	Wait Poffenbarger
10 Kerry Trout	OPERATOR	DUSUM / BALEWATER CREEK WASTE	Kerry Trout
11 Charlie McCallister	Operator	DUSUM / Landfill	Charlie McCallister
12 Joseph C. Burman	operator	DUSUM / Landfill	Joseph C. Burman
13 Larry Schreyer	Mechanic	Landfill	Larry Schreyer

DUSUM








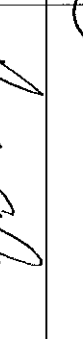



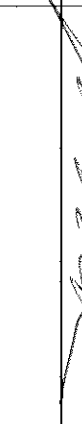
INSTRUCTOR: Alex Boas/Murphy StoneLOCATION: Landfill

## FREDERICK COUNTY

## ANNUAL REFRESHER SWPP AND SPCC TRAINING

## SIGN IN SHEET

(Date/Time) 6/20/11 8<sup>30</sup>-11 12<sup>30</sup>-2<sup>30</sup>-4

PRINT NAME	TITLE	DIVISION AND FACILITY YOU WORK AT	SIGNATURE
1 Harry Roberts	Operator IV	D.V.S.W.M.	
2 Leo Miller	Operator	D.V.S.W.M.	
3 James P. Carther	Operator II	D.V.S.W.M.	
4 James Convery	Enl. Tech	D.V.S.W.M./D.S.W.M.	
5 David Lass	Operator IV	D.V.S.W.M.	
6 Mel Thurea	Engineer	D.V.S.W.M.	
7 Robert Loren	Truck Service	Fleet Service	
8 Brian Stokine	Service Coordinator		
9 Jeff Obrecht	Coordinator	D.V.S.W.M.	
10 Thomas C. Forsythe	Labor	D.V.S.W.M.	
11 Mrs. Blanche	Miner	D.V.S.W.M.	
12 <del>John</del> David	Operator III	D.V.S.W.M.	
13			

D.V.S.W.M.

INSTRUCTOR:

Alexi Bado/Vallire Stive

LOCATION:





Landfill

## FREDERICK COUNTY

## ANNUAL REFRESHER SWPP AND SPCC TRAINING

## SIGN IN SHEET

(Date/Time) 6/20/12 8<sup>30</sup>-11, 12<sup>30</sup>-2 & 2<sup>30</sup>-4

	PRINT NAME	TITLE	DIVISION AND FACILITY YOU WORK AT	SIGNATURE
1	Charles S. Phelps	Operator 3	New Market, L-Fill Monrovia, P-B Branch	
2	Andrew J. Coates	Operator 1	New Market, L-Fill, Monrovia, P-Branch	Andrew J. Coates
3	Todd E. Welch	Operator	FDALE WWTP White Rock WWTP Millbottom WWTP	Todd Welch
4	Mark A. Roelkey Sr.	Operator	Landfill	
5	Mark Smith	Operator	Landfill	
6	Steven Smith	LABOR	AFR/CFC	
7	Benny Thompson			
8				
9				
10				
11				
12				
13				

DUSWM



INSTRUCTOR: ALICE BOOD/BOUDRE STINELOCATION: ECPS - HAYWARD RD

## FREDERICK COUNTY

## ANNUAL REFRESHER SWPP AND SPCC TRAINING

## SIGN IN SHEET

(Date/Time) 6/27/12 8<sup>30</sup>-10, 10<sup>30</sup>-12, 1<sup>30</sup>-4

PRINT NAME	TITLE	DIVISION AND FACILITY YOU WORK AT	SIGNATURE
1 Beth E. GRIFFITH Sr.	Operator III	DUSWM	Beth E. Griffith
2 James W. Shoemaker JR	Operator II	DOSWDM	James W. Shoemaker
3 E. Lee Lambert	Skill Labor III	DUSWM	E. Lee Lambert
4 Lori Finckel	Program Mgr	DUSWM	Lori Finckel
5			
6			
7			
8			
9			
10			
11			
12			
13			

DUSWM

## 2013 ANNUAL STORMWATER POLLUTION PREVENTION PLANNING (SWPPP) TRAINING



Advanced Module



## Why do you have to be here?



- Because your facility operates under a **General Discharge Permit for Stormwater Associated with Industrial Activities**.
  - "General Discharge Permit"
- You will set the standard for the private sector in Frederick County

2

## Why do you have to be here?



More specifically:

- Under 2d of **Section E** of Frederick County's **Municipal Separate Storm Sewer System (MS4)** Permit the County must identify all county-owned facilities requiring a **NPDES discharge permit** and submit documentation that a permit has been obtained for each facility.
- But why me?
  - Because you are mgmt., SWPPP team member

3

## 2 options for County Ind. Facilities



- All County owned "industrial facilities" must submit a Notice of Intent (NOI) that a permit has been applied for or apply for **No Exposure Certification**
- All permitted facilities not eligible for No Exposure Certification must then develop a **Stormwater Pollution Prevention Plan (SWPPP)**.

4

## No Exposure?

- No exposure of any of the operations at the facility to PRECIPITATION.

C. Exposure Checklist		
Are any of the following materials or activities exposed to precipitation, now or in the foreseeable future? (Please check either "Yes" or "No" in the appropriate box.) If you answer "Yes" to any of these questions (1) through (8), you are not eligible for the no exposure exclusion.		
1. Using, storing or cleaning industrial machinery or equipment, and areas where residuals from using, storing or cleaning industrial machinery or equipment remain and are exposed to storm water	Yes	No
2. Materials or residuals on the ground or in storm water intake from spillage	<input type="checkbox"/>	<input type="checkbox"/>
3. Materials or products from past industrial activity	<input type="checkbox"/>	<input type="checkbox"/>
4. Material handling equipment	<input type="checkbox"/>	<input type="checkbox"/>
5. Materials or products during loading/unloading or transporting activities	<input type="checkbox"/>	<input type="checkbox"/>
6. Materials or products stored outdoors (except final products intended for outside use [e.g., new cars] where exposure to storm water does not result in the discharge of pollutants)	<input type="checkbox"/>	<input type="checkbox"/>
7. Materials contained in open, deteriorated or leaking storage drums, barrels, tanks, and similar containers	<input type="checkbox"/>	<input type="checkbox"/>
8. Materials or products handled/stored on roads or railways owned or maintained by the discharger	<input type="checkbox"/>	<input type="checkbox"/>
9. Waste material (except waste in covered, non-leaking containers)	<input type="checkbox"/>	<input type="checkbox"/>
10. Application or disposal of process wastewater (unless otherwise permitted)	<input type="checkbox"/>	<input type="checkbox"/>
11. Particulate matter or visible deposits of residuals from roof stacks and/or vents not otherwise regulated (i.e., under an air quality control permit) and evident in the storm water outflow	<input type="checkbox"/>	<input type="checkbox"/>

5

## Industrial Activities? Who me!?

- transportation facilities
  - (but only those who do vehicle maintenance)
- sewage treatment plants designed for over 1.0 MGD
- landfills
- recycling facilities
- etc.
- Considered "INDUSTRIAL"....

6

## 14 Industrial Frederick County Facilities

- 14 county facilities covered by a permit
- 1 was able to get no-exposure certified.
  - Green Valley Fire-Rescue Station
- The remaining 13 have developed SWPPPs
  - Fleet Maintenance:** LEC, TransIT, FCPS Hayward Rd, 331 Montevue,
    - Satellite yards: Johnsville, Thurmont, Urbana, Myersville, Jefferson
  - WWTPs:** Ballenger Creek, New Market, Jefferson
  - Landfill:** Reichs Ford

7

## The new Permit is coming !!!



All permitted facilities will need to:

- submit a Notice of Intent (NOI) for all facilities along with a Stormwater Pollution Prevention Plan (SWPPP)
  - MDE will be reading the SWPPP beforehand!
- quantify the acreage of the facility as **treated** versus **untreated impervious** surfaces

8

## The new Permit is coming !!!

- restore **20%** of the facility's untreated impervious surface w/in **4 years**.
- conduct quarterly **visual assessments** of stormwater discharges from all outfalls on the facility property
- If your facility drains to impaired or high quality ("tier 2") waters, you will have additional obligations
- Etc....



9

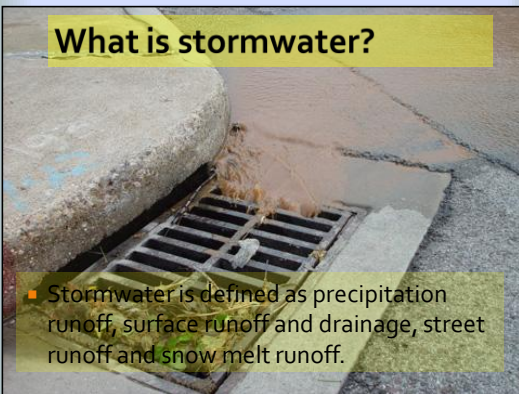
## OSER to the Rescue



- The County's Office of Sustainability and Environmental Resources (OSER) will be assisting as before.
- Relax, deep breath.

10

## What is stormwater?



- Stormwater is defined as precipitation runoff, surface runoff and drainage, street runoff and snow melt runoff.

11

## What's Wrong With This Picture?



12

## What's Wrong With This Picture?



13



14

## Typical Stormwater Pollutants

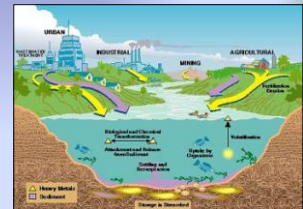
- Petroleum (oil, grease)
- Cooking grease/oils
- Sediment (soil)
- Salt
- Trash and debris
- De-icing fluids and coolants (glycols)
- Fertilizers, Herbicides, and Pesticides
- Fecal bacteria (pet & human feces)



15

## POTENTIAL EFFECTS

- Human health
  - Direct ingestion during recreation activities
  - Food chain
- Environmental
  - Benthic invertebrates
  - Fish
  - Birds
- Aesthetics
  - Odor
  - Visual (e.g., scums, sheens, etc.)
  - Garbage



16

## Storm (MS4) versus Sanitary Sewer



17

## 6 Typical Pollution Sources from Your Facility

1. Loading and Unloading Operations
2. Outdoor Storage
3. Outdoor Process Activities
4. Dust or Particulate Generating Processes
5. Illicit Connections and Non-Stormwater Discharges
6. Waste Management

-EPA

18

## Uh oh!

Forklift + distracted driver + 55 gallon drum = STORMWATER POLLUTION



19

## ENVIRONMENTAL REGULATIONS



20

## Acronyms

- MS<sub>4</sub> = Municipal Separate Storm Sewer System
- NPDES = National Pollutant Discharge Elimination System

21

## Municipal Separate Storm Sewer System

- An MS<sub>4</sub> is a conveyance or system of conveyances that is:
  - Owned by a state, city, town, village, or other public entity that discharges to waters of the U.S.;
  - Designed or used to collect or convey stormwater (including storm drains, pipes, ditches, etc.);
  - Not a combined sewer; and
  - Not part of a Publicly Owned Treatment Works (sewage treatment plant).

22

## NPDES

- As authorized by the Clean Water Act, the National Pollutant Discharge Elimination System (NPDES) permit program **controls water pollution** by regulating point sources that discharge pollutants into waters of the United States.
  - **MS<sub>4</sub>s are considered point-sources of pollution!**

23

## It all starts with the CWA...sorta

- 1972 Federal Water Pollution Control Act (FWPCA)
  - No more point source pollution discharges into navigable waters!
  - It required permit to discharge wastes to public resources



24



## The “real” Clean Water Act



- Law suit by NRDC against EPA in 1976 for lack of adequate effluent standards led to amendments to FWPCA

...which came to be known as the CWA of 1977!

25



26

## CWA becomes WQA in 1987

- Water Quality Act (WQA)
- WQA treated certain **stormwater** discharges as “point source pollution”
- WQA established new schedules for **industrial & municipal stormwater** discharges into U.S. waters
- Establishes the **NPDES for stormwater**.

National Pollutant Discharge Elimination System



27



(EPA 2008)

...

- 1991- The U.S. EPA starts its Stormwater Program
- 1992 – Industrial facilities required to implement a stormwater pollution prevention program



29

## Allowable Non-SW Discharges

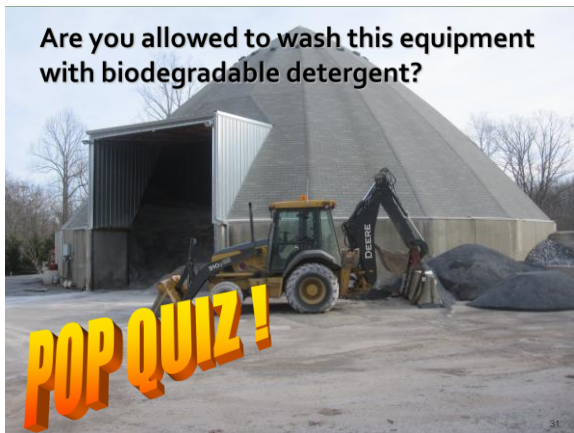
(MD 2008 MSGP, 1.1.3)

The following are the non-stormwater discharges authorized under this permit, provided the non-stormwater component of your discharge is in compliance with Part 2.1.2.10:

- Discharges from **fire-fighting** activities;
- Fire hydrant** flushings;
- Potable water**, including water line flushings;
- Uncontaminated **condensate** from **air conditioners**, coolers, and other compressors and from the outside storage of refrigerated gases or liquids;
- Irrigation drainage**;
- Landscape watering** provided all pesticides, herbicides, and fertilizers are applied in accordance with the approved labeling;
- Pavement wash waters** where **no detergents** are used and no toxic or hazardous materials have occurred (unless all are removed);
- Routine external building washdown that does not use detergents;
- Uncontaminated ground water or **spring water**;
- Foundation or **footing drains** where flows are not contaminated with process materials; and
- Incidental **windblown mist** from **cooling towers** that collects on rooftops or adjacent portions of your facility, but not intentional discharges from the cooling tower (e.g., “piped” cooling tower blowdown or drains).

**NOT MANY!**

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**What is a SWPPP?**

- SWPPP = Stormwater Pollution Prevention Plan
- A site-specific, written document that:
  - Identifies potential sources of stormwater pollution at the industrial facility;
  - Describes stormwater control measures that are used to reduce or eliminate pollutants in stormwater discharges from the industrial facility; &
  - Identifies procedures the operator will use to comply with the terms and conditions of the General Discharge Permit.

***sometimes called a "P2 Plan"***

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**TYPICAL ACTIVITIES SUBJECT TO OVERSIGHT**

Anything done outside and exposed to rain/snow:

- Fueling
- Maintaining Vehicles and Equipment
- Washing Vehicles and Equipment
- Loading and Unloading Raw Materials
- Liquid Storage in Above-Ground Tanks
- Salt Storage
- Dumpsters
- Soil/compost/sand stockpiles

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**What is a SWPPP, really?**

It's really 2 things

- The paper PLAN
- The implementation of procedures and behaviors

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**Stormwater Pollution Prevention Plan Includes:**

- Stormwater Pollution Prevention Team
- Site Plan
- Inventory Materials Exposed to Stormwater
- Implement Best Management Practices
- Employee Training Requirements
- Monthly Site Inspections
- Annual Site Assessment
- Spill Response Procedures

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## The Team

- Whose on the TEAM?
- The stormwater pollution prevention team should consist of those people on-site who are most familiar with the facility and its operations.
- Key member(s): If an EPA or State inspector visits the facility, this person will be the main point of contact.
  - Should be on site DAILY.
- Who is on the team at your facility???

## The Team

- Are you "qualified"?
- EPA defines qualified personnel as "those who possess the knowledge and skills to assess conditions and activities that could impact stormwater quality at your facility, and who can also evaluate the effectiveness of control measures."

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## The Team

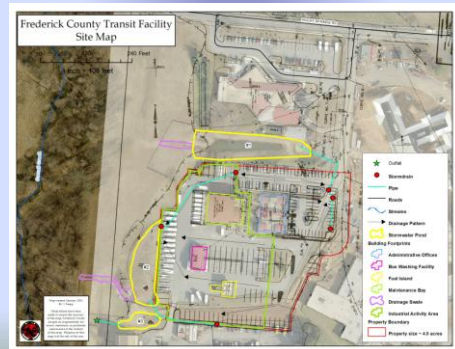
- Each member of the stormwater pollution prevention team should have ready access to either an electronic or paper copy of applicable portions of the industrial stormwater general permit and the SWPPP.

### 1.3 Stormwater Pollution Prevention Team

Staff Names	Individual Responsibilities
SWPPP Team Leader #1 Bill Routaben - Superintendent Highway Operations	<ul style="list-style-type: none"> <li>SWPPP team leader and emergency contact, with focus on all vehicles and equipment stored and operated on site having to do with Highway Operations, including salt barn activities.</li> </ul>
Donnie Crum, Assistant Superintendent Highway Operations	<ul style="list-style-type: none"> <li>Planning and supervision of all pollution prevention activities related to this SWPPP.</li> <li>Custodian of SWPPP and adds records and updates as necessary as a result of major changes in the facility's design, construction, operation or maintenance.</li> <li>Does Routine and Annual Comprehensive site inspections.</li> </ul>

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## The SWPPP Facility Map



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## Materials Inventory

PRODUCT	BRAND
OMNI AE Hardener	PPG
OMNI Medium Reducer	PPG
OMNI Pak Master Blend	Sherwin Williams
Oxygen Tank	Energas
P68 Primer	IPS Corporation
Painters Touch Paint	Silo
Polyurethane Sealant	Silaflex 1A
Propane	Berco-O-matic
PVC Pipe Cement	IPS Corporation
Quik Color	Rust-O-leum
Red Grease	Berkelbile Oil
Ronex MP Grease	ExxonMobil

(1) 275-gallon automotive transmission (ATF) fluid tank (indoors at truck repair shop)  
 (1) 275-gallon new motor oil tank (indoors at truck repair shop)  
 (1) 275-gallon hydraulic oil tank (indoors at truck repair shop)  
 (1) 250-gallon waste oil tank (inside light duty repair shop)  
 (1) 500-gallon used motor oil tank (outside of truck repair shop)  
 (1) 1625-gallon diesel (outside at diesel generator)  
 (1) 6000-gallon Caliber magnesium chloride solution (outdoors adjacent to salt barn)  
 (1) 5000-gallon Caliber magnesium chloride solution (outdoors adjacent to salt barn)

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## Typical Facility Best Management Practices (BMPs)

- Good Housekeeping
- Preventive Maintenance
- Visual Inspections
- Spill Prevention and Response
- Sediment and Erosion Control
- Management of Stormwater Runoff



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## "Structural" BMPs

- Double-Walled Tanks
- Secondary Containment



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## Good Housekeeping

1. EPA expects you to set an example for the private sector.
  2. EPA expects you to set an example for the private sector.
  3. EPA expects you to set an example for the private sector.
- Specific good housekeeping practices vary by facility...

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## Good Housekeeping



- Regular pickup and disposal of waste materials and scrap equipment;
- Maintenance of clean work spaces;
- Routine inspections for leaks and of the condition of tanks, vehicles and containers;
- Routine inspections to make sure that industrial materials are properly stored and labeled;
- A schedule for sweeping paved areas and floors, including who will perform the sweeping (employee or contractor);
- The individual or position responsible for emptying drip pans placed beneath leaking equipment, valves, and fill lines.

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## Employee Training

- All employees from a facility, once per year and all new hires upon entering workforce.

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## Top 10 Common Compliance Failures at Industrial Facilities...



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1. No SWPPP
2. Control measures described in SWPPP not used
3. No SWPPP on-site
4. SWPPP not signed
5. Stormwater pollution prevention team not up-to-date
6. On-site staff not familiar with SWPPP
7. Improper collection of visual assessment samples.
8. Uncovered dumpsters
9. Poor employee/contract staff training
10. Inspection or monitoring records are not kept with the SWPPP

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## PENALTIES

(2008 MD MSGP)



**Civil Penalties** Violations of permit conditions = fine of \$27,500 per day for each violation

### Criminal Penalties

- Any person who **negligently** violates...is subject to a fine of not less than \$2,500 - \$25,000 per day of violation, or by imprisonment for not more than one (1) year, or by both.
- Any person who **knowingly** violates...is subject to a fine of not less than \$5,000 - \$50,000 per day of violation, or by imprisonment for not more than three (3) years, or by both.
- Any person who **knowingly** violates...and who knows at that time that he thereby places another person in **imminent danger of death** or serious bodily injury, is subject to a fine of not more than \$250,000 or imprisonment of not more than fifteen (15) years, or both.
  - Corporation subject to fine of \$1 Million.

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## Spill Response and Notification

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1. Minor vs. Major Spills
2. Response and Notification



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## Minor Spills

- **Minor** spills are considered to be those of **less than 5-gallons** which pose no significant harm to human health or the environment and have not entered the storm sewer system, stormwater pond, water body or the groundwater table.



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## Minor Spill Response Procedures

- Stop leaks
  - Roll drums upright (hole pointing up)
  - Turn off process
  - Shut pipe valves
- Contain spills
  - Booms, pads, sand, dirt
- Divert runoff from spills away from storm drain inlets
- Patch leaks – temporary patch until a permanent solution is applied
- Recover/remove contaminated materials



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## Minor Spill Notification

- All minor spills must be documented by the SWPPP Team members or other designated personnel using the Spill/Release Incident Form (Attachment F)

1. Keep the original filled spill form in the SWPPP.
2. A copy of filled spill form must be sent to the Superintendent.
3. A copy of the filled spill form is sent to MDE.

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## MDE Reporting Requirements

- COMAR 26.10.01.03
- All oil spills onto land or water, including oil spills from vehicles, ships, boats, or vessels of any kind, must be reported to MDE immediately by phone (but not later than **2 hours** after detection).
- MDE requires written report as well within 10 days of clean up.
- No volume threshold for reporting!!!!**

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## Minor Spill Notification Form

SPILL NOTIFICATION FORM			
Part A: Basic Spill Data			
Type of Spilled Substance	Notification Person		
Quantity Released	Spill Date and Time		
Location of Spill	Discovery Date and Time		
Spill Duration			
Facility Name & Location		Release to: <input type="checkbox"/> air <input type="checkbox"/> water <input type="checkbox"/> land	
Frederick County Transit Facility 2400 Rocky Springs Road, Frederick, Maryland 21703		<input type="checkbox"/> soil <input type="checkbox"/> other	
Owner / Company Name		Telephone	
Frederick County Fleet Services Frederick County Commissioners 12 E. Church Street Frederick, Maryland 21703		Facility: 800-400-1572 Fax: 301-400-1743	
Nature of spill and any environmental or health effects			
1. Spill Date: 1/1/2010			
Part B: Notification Checklist			
Spill Type	Notification Date and Time	Name of Person that Received Call	Spills From Spill Kit Used
Spill is any amount of petroleum products:			Public, Business, Regs. Owners
Fleet Services Per Hazard 302, 600-3588 or Valve Site 302, 400-2572 or 400-370-7000 (after hours)			Does Spill Kit need to be filled
Maryland Department of the Environment (24) toll-free 888-633-6886, or 410-326-3931			
Spill reaches groundwater or surface water:			
Maryland Department of the Environment (24) toll-free 888-633-6886, or 410-326-3931			
National Response Center 1-800-424-8802			
Region 18 Response Center 301-347-3000			
Spill greater than 1,000-gallons or second event of greater than 42 gallons released in 12-month period			
William C. Smith Acting Regional Administrator U.S. EPA Region-3 2000 Arch Street (PH-3) Philadelphia, PA 19103-2029 215-594-3000 or (800) 438-3474			

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## Major Spills = 911

- Major** spill is considered an emergency. It is a spill that cannot be safely contained by staff or cleaned up and/or has made its way into the storm sewer system, stormwater pond, waterbody or groundwater table or is a threat to human health.

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## Major Spill continued

- The discharge is large enough to spread beyond the immediate discharge area;
- The discharged material enters a storm drain or stream, lake;
- The discharge requires special equipment or training to clean up; and/or
- The discharged material poses a hazard to human health or safety.



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## CALL THE CONTRACTOR!

The county has a contract with the following emergency response contractors.

- DFRS / Hazmat**  
911 or non-emergency#  
301-600-1603
- Burns Septic & Tank Cleaning**  
2360 Dairyland Drive, Westminster  
1-877-89-BURNS
- Floyd E. Cline & Sons, Inc.**  
3434 Brethren Church Rd, Myersville  
301-293-2349



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## Major Spill Notification

- All major spills must be documented by the Stormwater Pollution Prevention Team members or other designated personnel using the Spill/Release Incident Form (Attachment F)
- SWPPP team leader or whomever is on site will contact BOTH:

1.

• MARYLAND DEPARTMENT OF THE ENVIRONMENT  
• 1-(866) 633-6686,  
available on a 24-hour basis.

2.

• NATIONAL RESPONSE CENTER  
• 1-(800) 424-8802, available on a 24-hour basis.

- Keep original filled form in the SWPPP folder.
- A copy of filled form must be sent to the Superintendent.
- A copy is mailed to MDE within ten days.

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## N.R.C. Oil Spill Reporting Requirements:

1. Violate applicable water quality standards;
2. Cause a film or "sheen" upon, or discoloration of the surface of the water or adjoining shorelines; or
3. Cause a sludge or emulsion to be deposited beneath the surface of the water or upon adjoining shorelines

- NRC is the federal government's centralized reporting center, which is staffed 24 hours per day by U.S. Coast Guard personnel.

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## MDE Reporting Requirements

- All oil spills onto **land or water**, including oil spills from vehicles, ships, boats, or vessels of any kind, must be reported to MDE immediately (but not later than 2 hours after detection).
- MDE requires both verbal and written reports.
- No volume threshold mentioned.

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## Quarterly (Routine) & Annual Site Inspections

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## SWPPP CUSTOMIZED Routine Inspections

...10 pages

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## SWPPP CUSTOMIZED ANNUAL Inspections

- More comprehensive than quarterly form inspection.
- Might include:
  - Integrity testing of containment vessels with results documented.
  - Suggested modifications of behaviors or stormwater BMPs to better handle recurring spills
  - Updating SWPPP to reflect changes at facility, new buildings, new activities etc.



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## SWPPP CUSTOMIZED ANNUAL INSPECTIONS

Stormwater Industrial Facility Annual/Comprehensive Inspection Report

## SECTION A: GENERAL INFORMATION

**Facility Name:** Frederick County Highway Operations and Fleet Services  
- Frederick Facility

Facility Address: 331 Montevue Lane, Frederick, MD 21702

....17 pages

- Will also include review of all quarterly/routine inspection forms for the year.

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SWPPP **ANNUAL** INSPECTIONS

- **Original stays on site in the SWPPP.**
- **Copies** of all forms and record keeping documents must be submitted to Jessica Seipp with WMS by December 31<sup>st</sup> of each year.
- She can be reached at 301.600.1350 or [jseipp@frederickcountymd.gov](mailto:jseipp@frederickcountymd.gov).

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## RECORD KEEPING...



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## Record Keeping

- **Document your compliance!!!**
  - permits,
  - inspections,
  - maintenance,
  - monitoring,
  - corrective actions,
  - spills,
  - secondary containment failures,
  - trainings & curriculum
- It all must go in the on-site SWPPP!

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## Record Keeping

[illegible]

## Collage of Violations







## QUESTIONS AND ANSWERS?



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THE END

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# sign-in sheet

Course name: SWPPP & SPCC

Date: June 20, 2013 Trainer: Brad Norton - Versar  
@ transit facility Valiree Stine - Fred. Co. Gov.

Name	Department / Division / Unit
Nancy Norris	Transit
Joe Ortega	Transit
Mike Ramsburg	Highway
Jason Savage	Highway
Wayne Persinger	Highway
Bill Rowtzahn	Highway
Donald Crum	Highway
Robbie Marwood	Fleet
Scott Wisner	Fleet
Keena Delauter	Fleet
Mark Schweitzer	DUSWM
Leon Miller	DUSWM
Sue Thompson	TRANSIT
DENNIS DEVILBISS	TRANSIT
Phil Harris	DSWM
James Connelly	DSWM
Valiree Stine	Fleet Services

# attendee, attendee, attendee, attendee, attendee sign-in sheet

Course name: SWPPP & SPCC

Date: June 24, 2013 Trainer: NEXI BOADO/VALERIE STINE  
@ Law Complex

Name	Department / Division / Unit
Doug Pearle	Office of Maint / DPW
Bruce Budhann	Maint / DPW
JAMES KLIPP	MAINT / DPW
GARY SHANKIE	Highway DEPT.
Robert Blentlinger	Fleet / LEC
Pat Hannah	Fleet
WAYNE HARRIS	FLEET
Mehal Trivedi	DUSWM
Todd Oyster	Fc Maint / DPW
Mark Meggitt	FCPS
Lauren Olsen	FCPS
Robert Wilkinson	FCPS

①

# attendee, attendee, attendee, attendee, attendee sign-in sheet

Course name: SWPPP # SPCC

Date: July 8, 2013 Trainer: ALEX BORDO/VALERIE STONE  
@ Law Complex

Name	Department / Division / Unit
ROY McHAFFA	BOE/WAREHOUSE MGR.
Fred Punturcio	FCPS DOT
Gale Reeder	Highway Myersville
Tom Green	Highway Myersville
Robert Unger	Highway Thurmont
JASON COOPER	Highway Sefterson
<del>Richard Croff</del>	Highway Johnsville
KEN Harft	DUSWM
Bob Money	DUSWM
Bruce Baust	Highway Thurmont
Tony DiFranzo	Fleet Services
Ben Boston	" "
Helen Stockman	Fleet Services
Blaine Gishall	Fleet Services
DAVID ERNIS	DPW
ROBERT TORBERG	Fleet Services



2

attendee, attendee, attendee, attendee, attendee  
**sign-in sheet**

Course name: SWPPP & SPCC

Date: July 8, 2013  
@ Law Complex

Trainer: ALEXI BADO/NAUREE STINE

Name

Department / Division / Unit

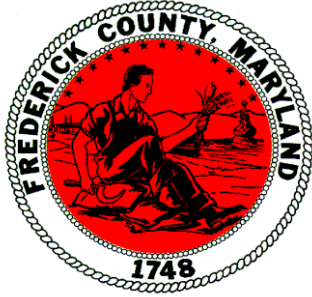
Gary Hill

F.C.P.S. Maintenance

Doug Mossburn

Highway

***ATTACHMENT H – Standard Operating Procedures for  
Loading/Unloading of Raw Materials***



## Standard Operating Procedure

Division of Utilities & Solid Waste Management  
Department Wastewater/Treatment

### Storm Water Prevention Plan Chemical Loading and Unloading

Page No. 1 of 1

#### **Bulk Chemical Loading and Unloading Procedures**

**Staff must wear the proper personal protective equipment when loading and unloading chemicals from vehicles.**

**Staff must be aware of the chemical properties prior to loading or unloading any chemical. (See material safety data sheets (MSDS)).**

- Have spill containment kit close to loading/unloading area.
- Use proper equipment to load and unload containers.
- Verify caps, lids, and bungs on containers are securely fastened at all times.
- When loading and unloading dry chemicals, secure rips and /or tears in bags and containers before moving.
- Store chemicals inside the building at all times
- Always use dry clean-up methods. NEVER USE WATER TO CLEAN A SPILL.

#### **❖ In the event of a spill**

- Contain and clean up spill area as soon as possible. (Cover the drains by using absorbent pads on and around them. Use the booms around the doorways to contain the spill from going out of the building. Use absorbent as needed to isolate the affected area. Dispose of absorbents using approved containers and methods
- Notify your supervisor immediately in the event of a spill.

- Fill out a Spill Form and provide a copy to your supervisor and the Department of Regulatory Compliance for their records.
- Keep a copy of the Spill Form in the on-site SWPPP binder.
- If a chemical spill enters the storm drain, contact the County Fire Department and/or spill remediation contractor located on the front of the SWPPP binder.